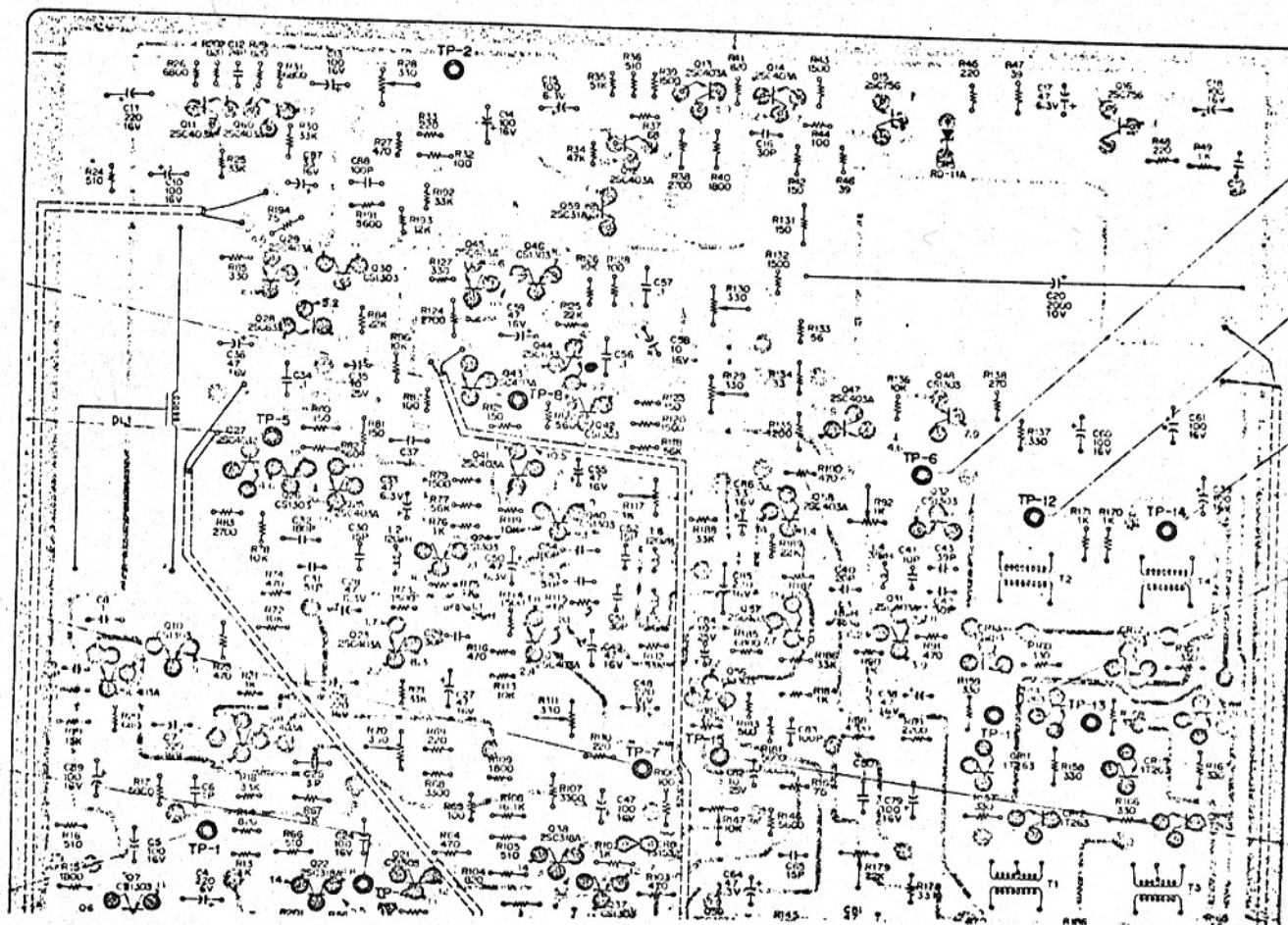
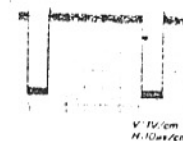
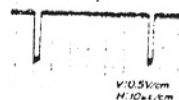
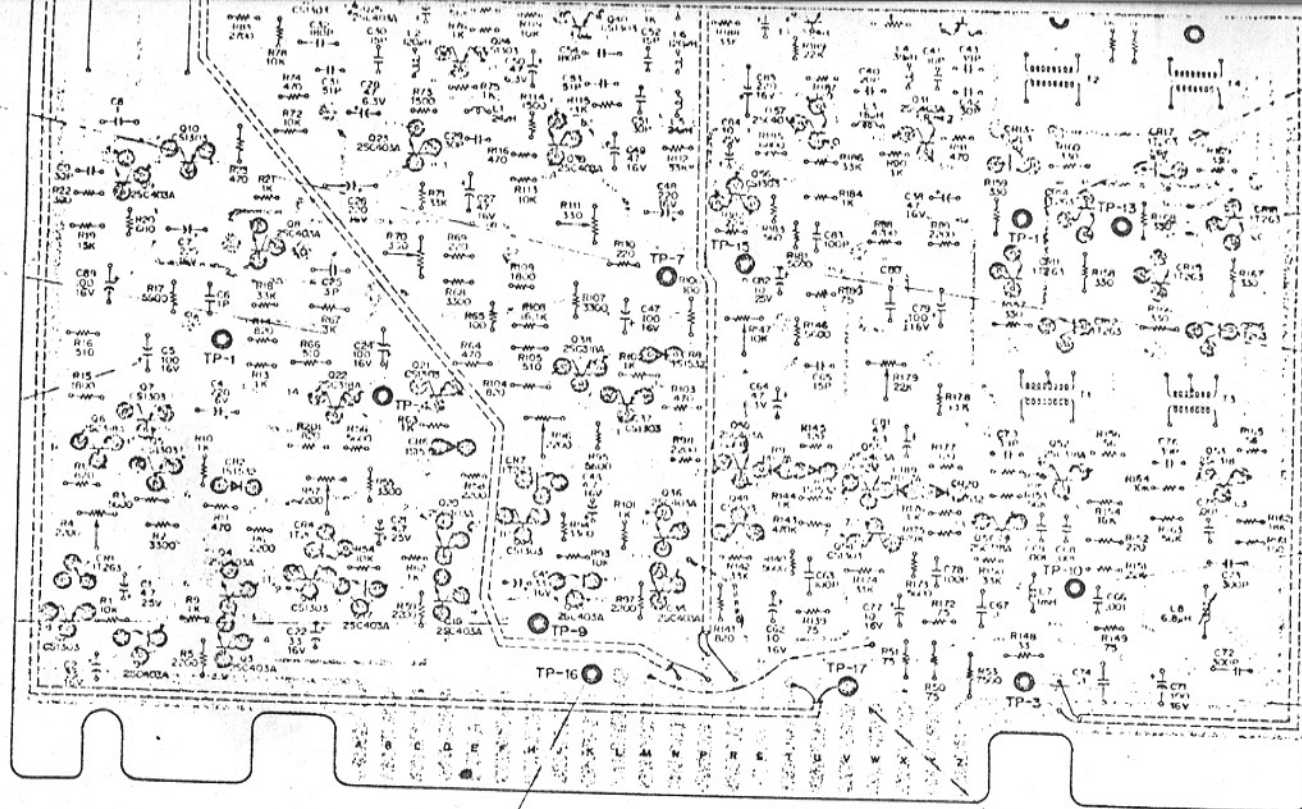


ENCODER

-conductor side-

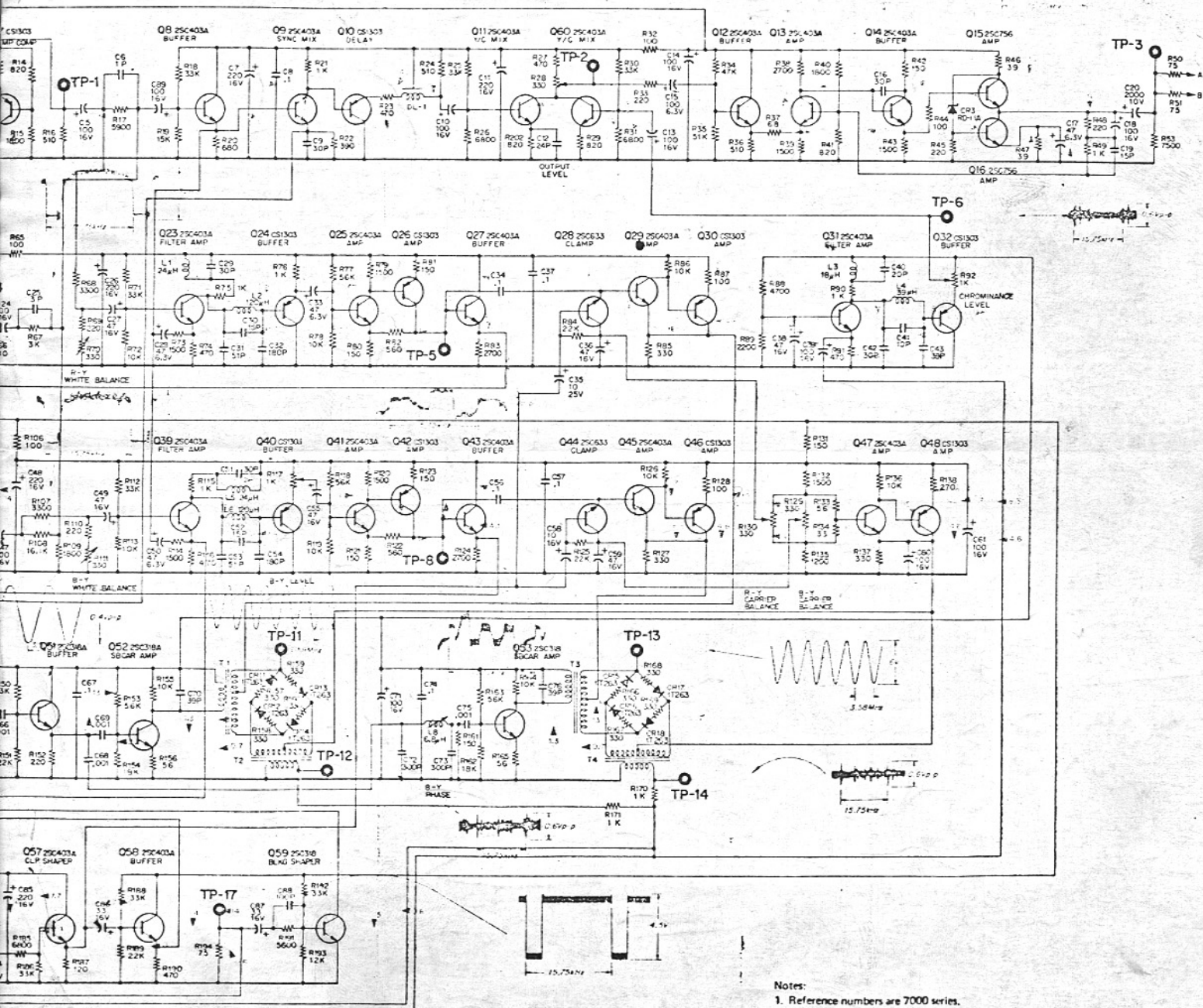


631



Note:
Printed pattern of
component side
is shown in gray.

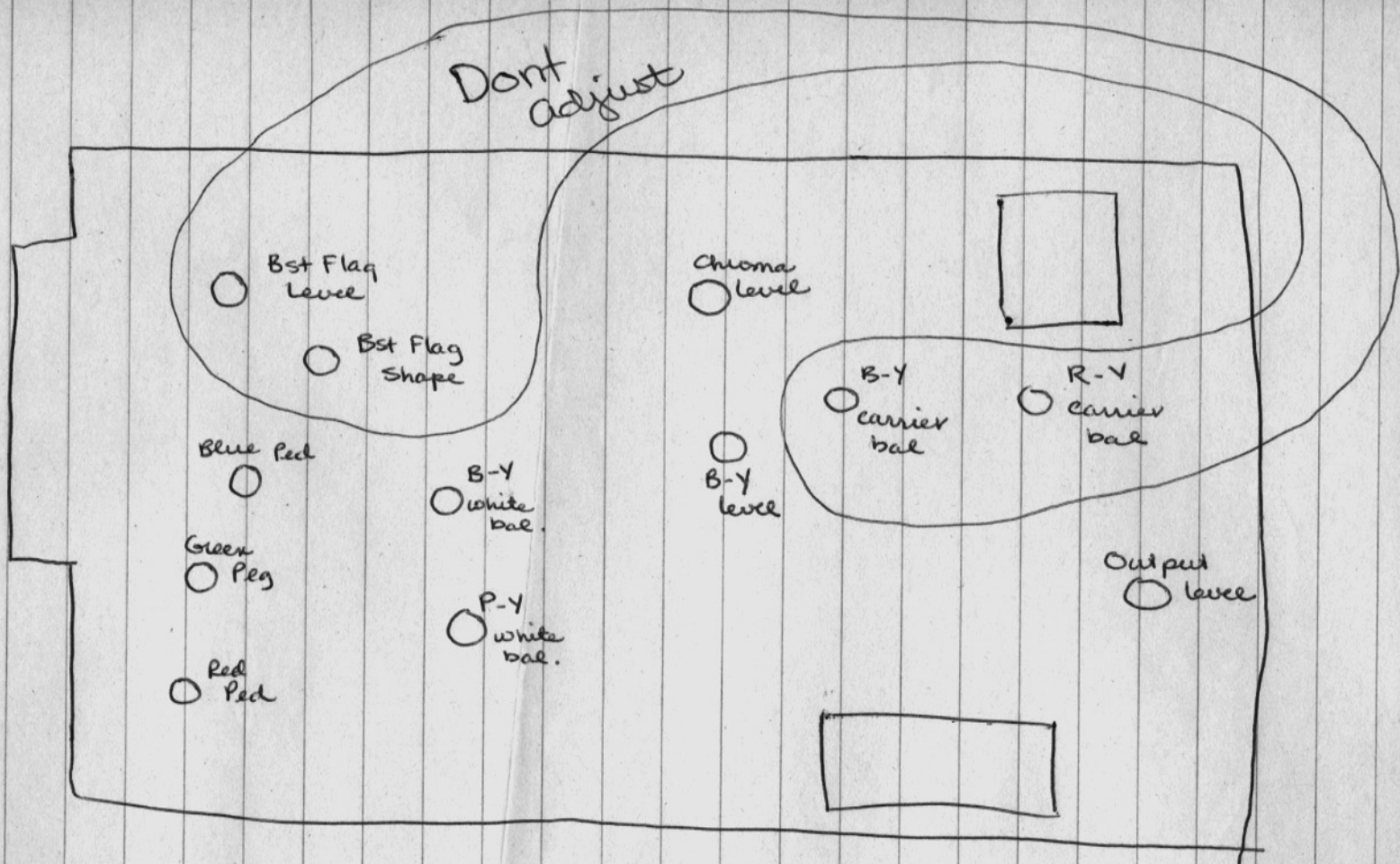
6-12. ENCODER

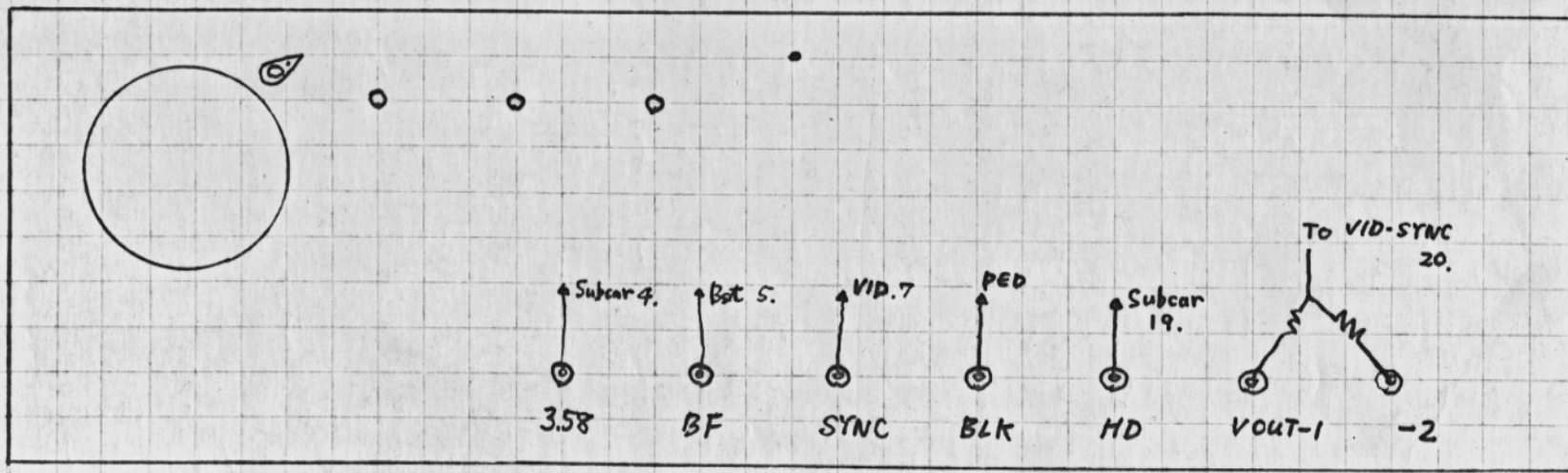
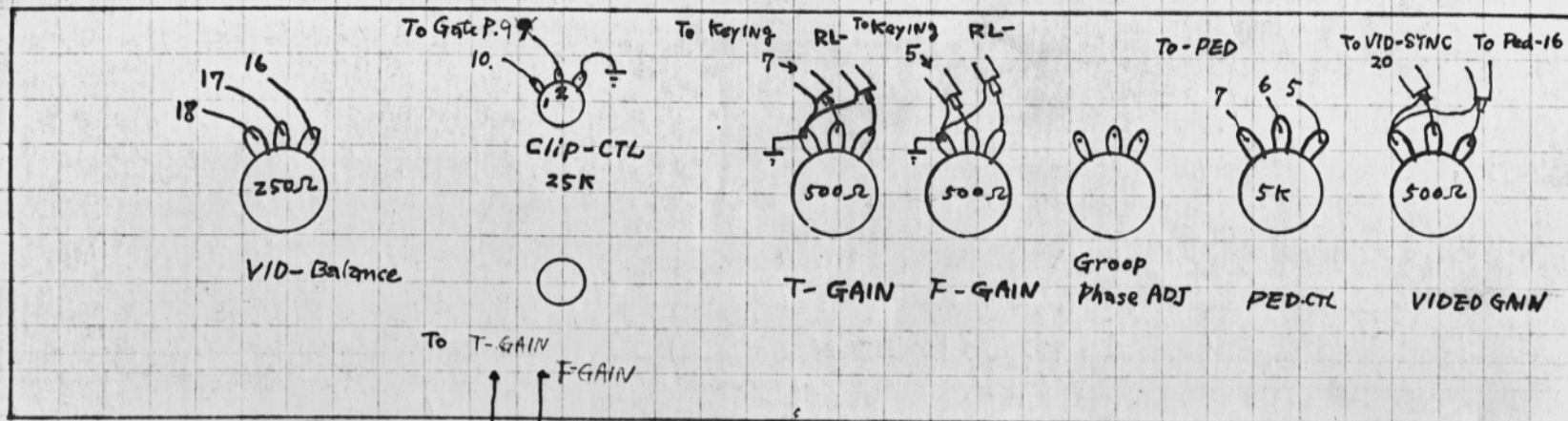


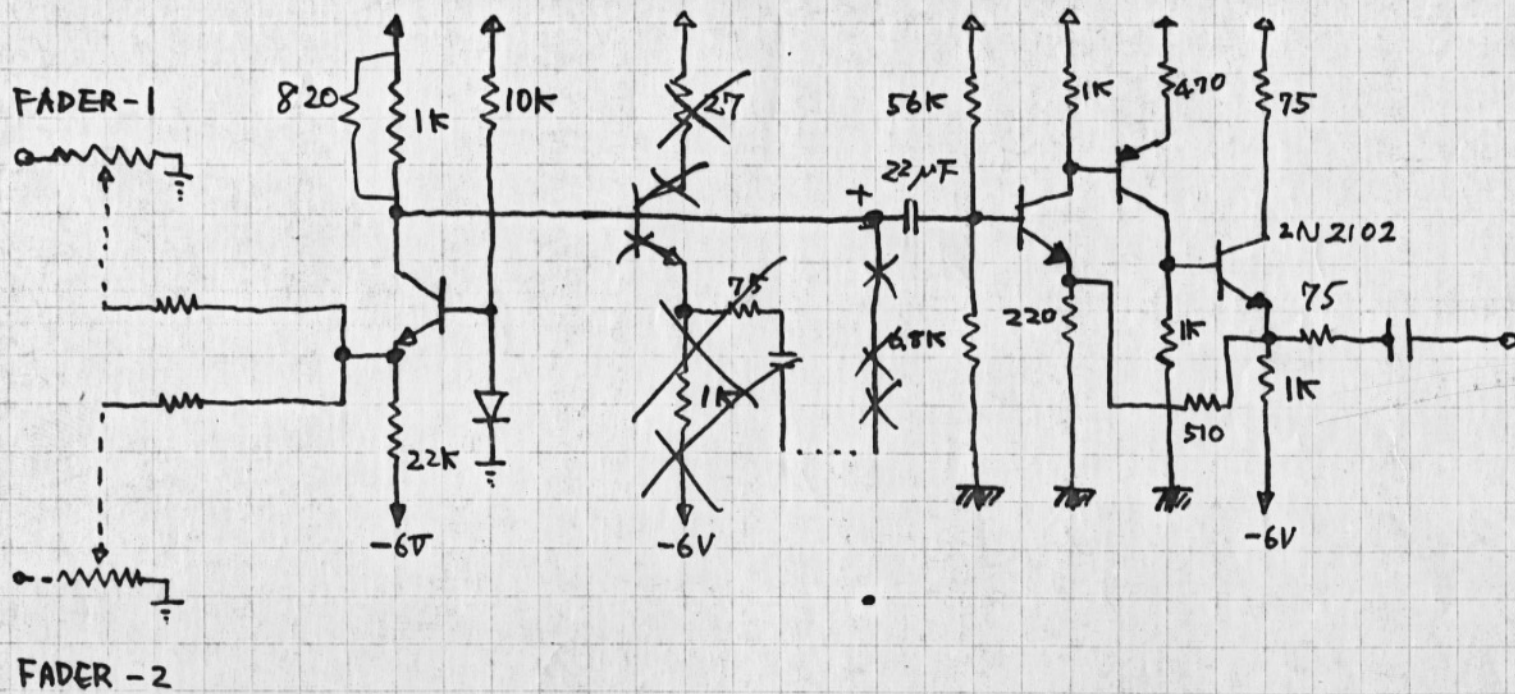
Notes:

1. Reference numbers are 7000 series.
2. All resistors in ohms, 5%, 1/4W, unless otherwise noted.
3. All capacitors in μ F unless otherwise noted.
4. The blue arrow indicates d c voltage.

top



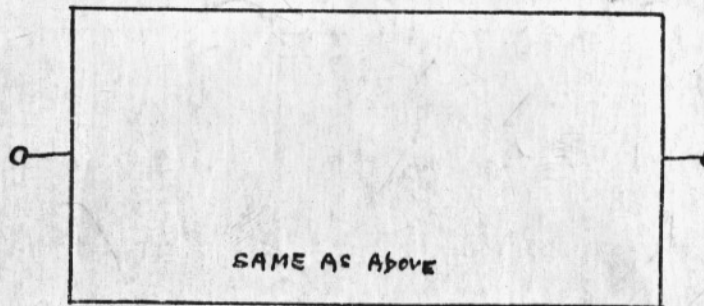
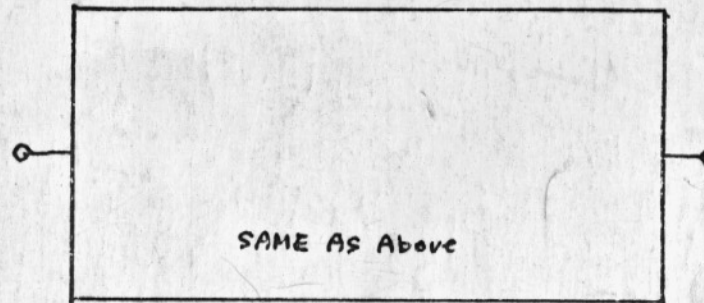
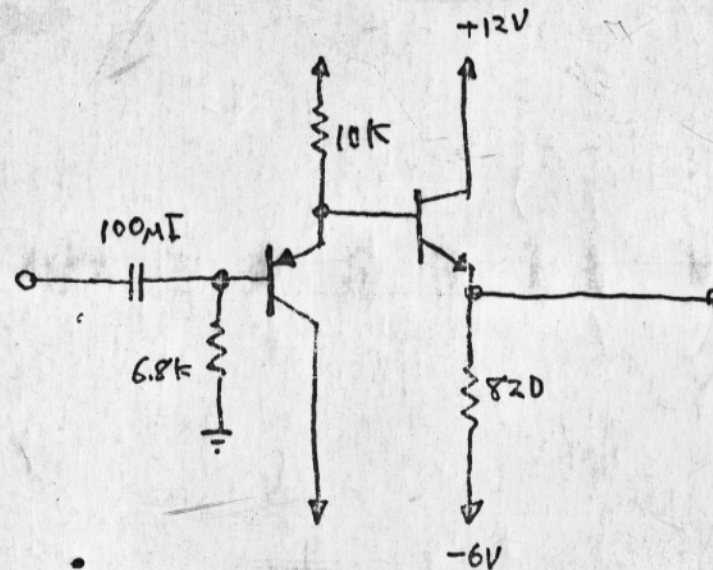




PNP ... 2N9402 or Equivalent

NPN ... 2N9400 ... "

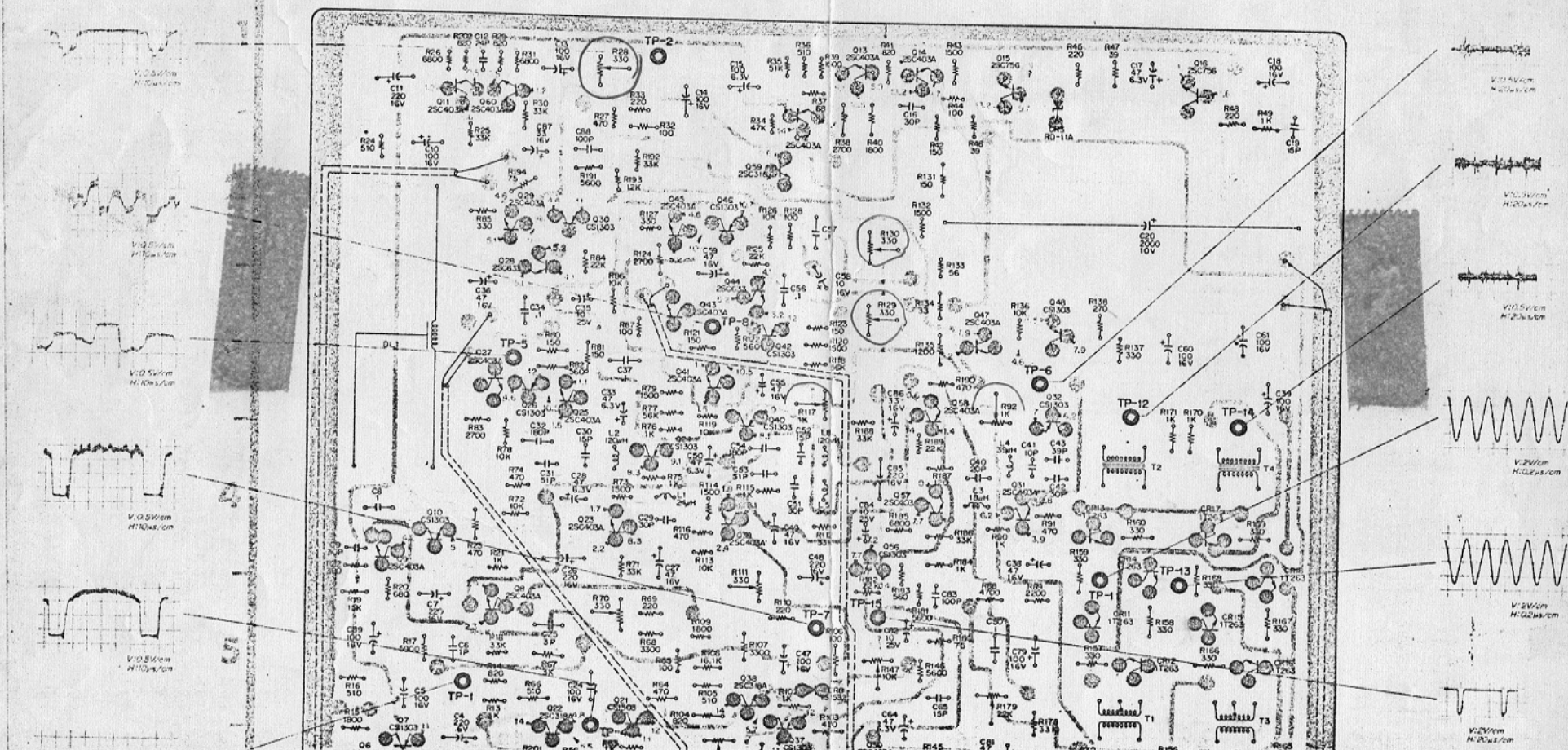
MIXER - FADER OUTPUT
AMP



SWITCHER INPUT
EMITTER
Follower

ENCODER

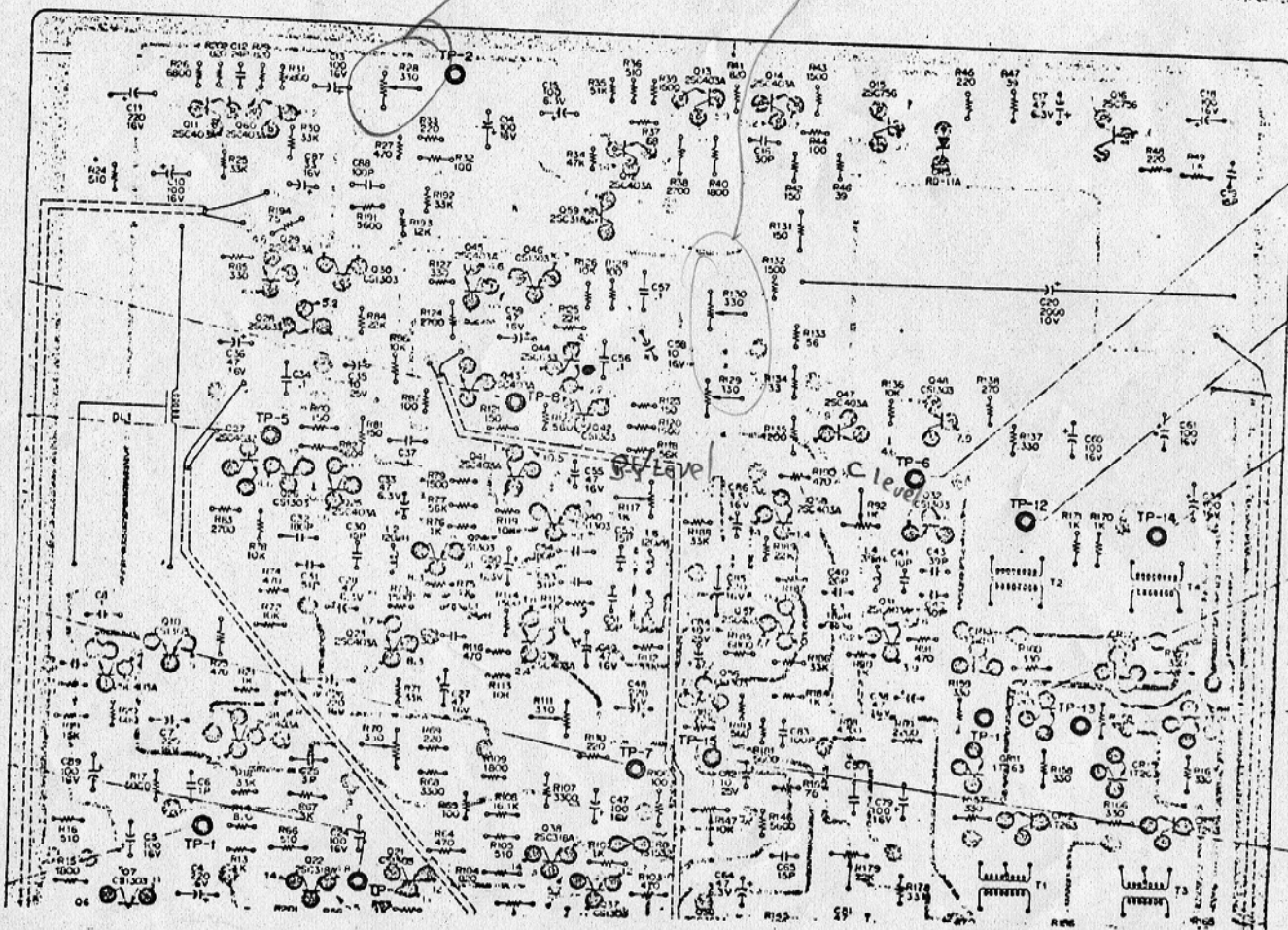
-conductor side-



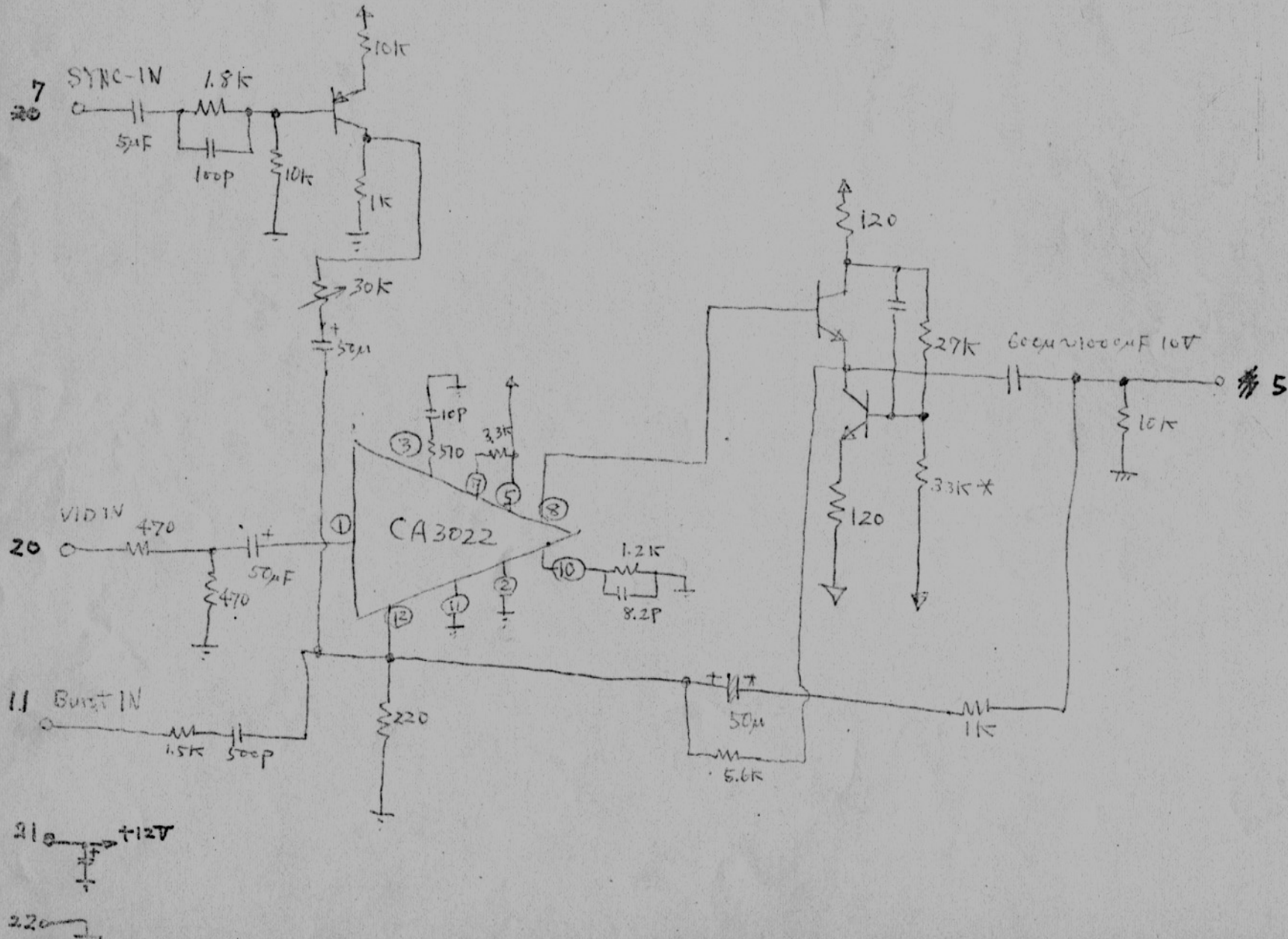
ENCODER

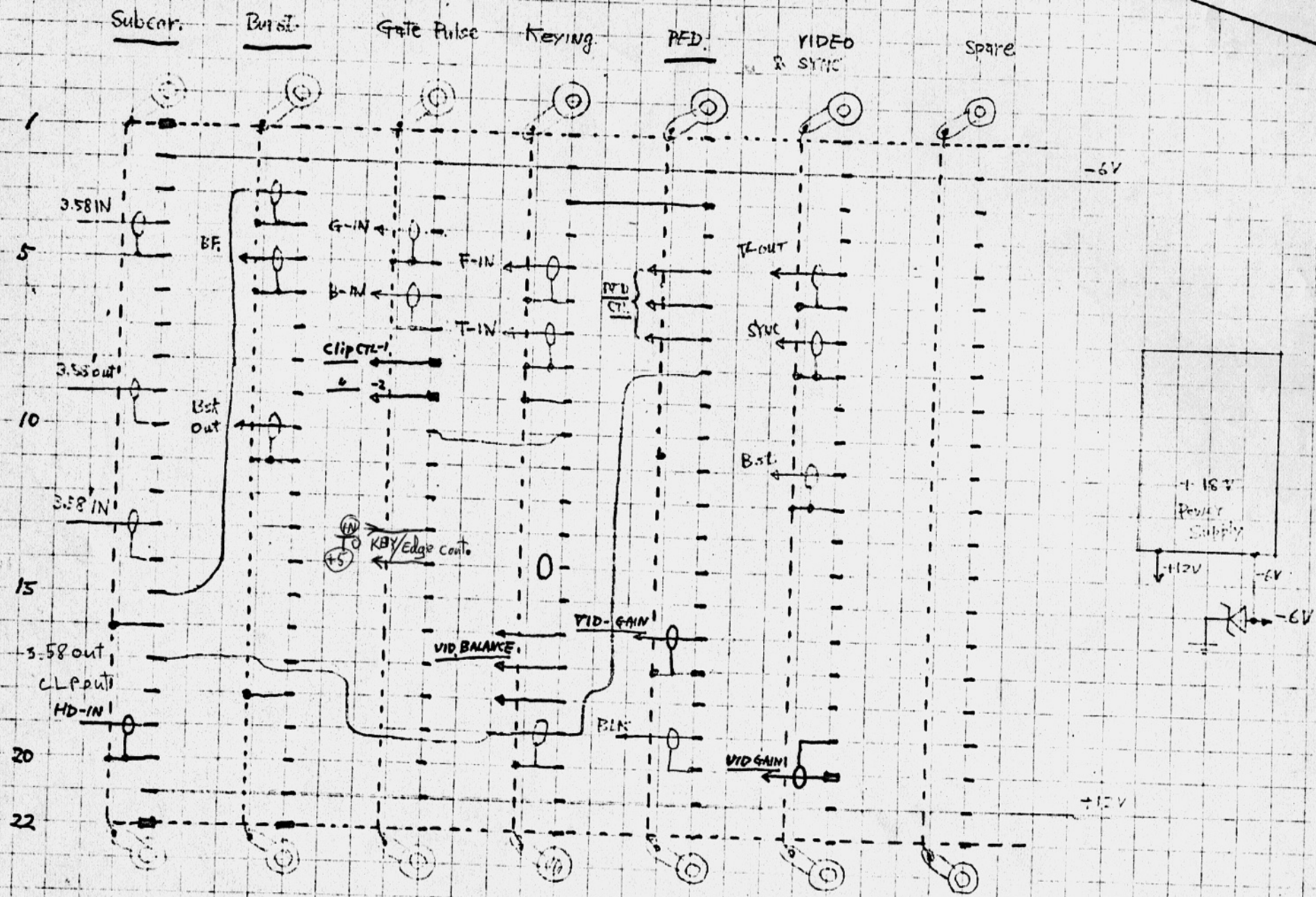
-conductor side-

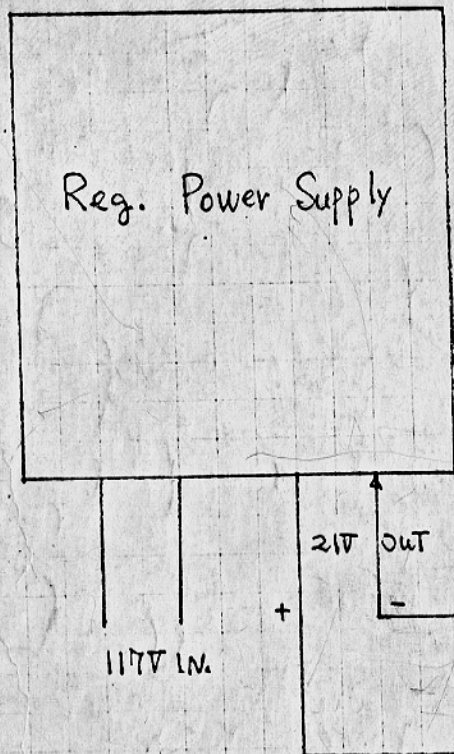
output Carrier Balance



Video Out AMP for CROMA KEY

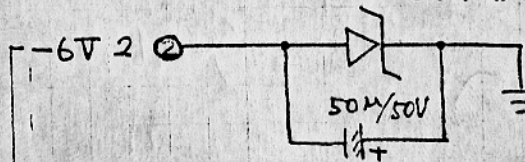






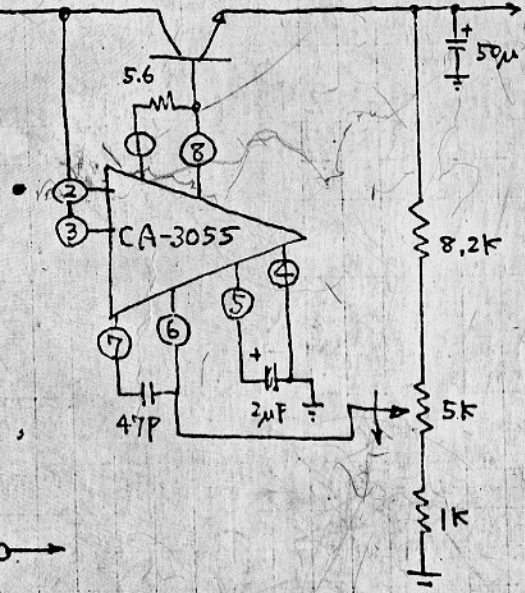
GND 1

6V 10W ZENER DIODE.



+15V 12

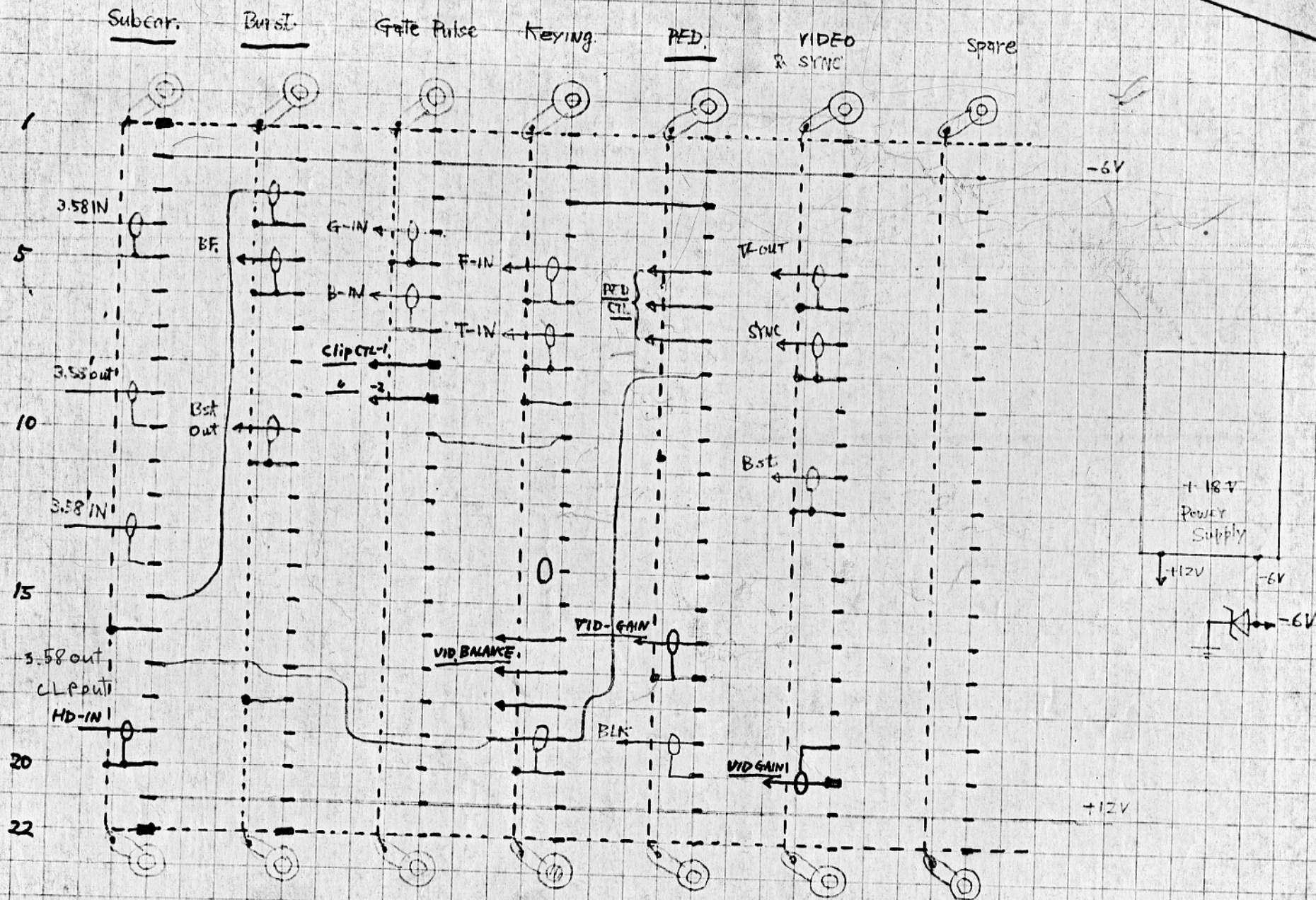
TO PIN 22.



+12V 21

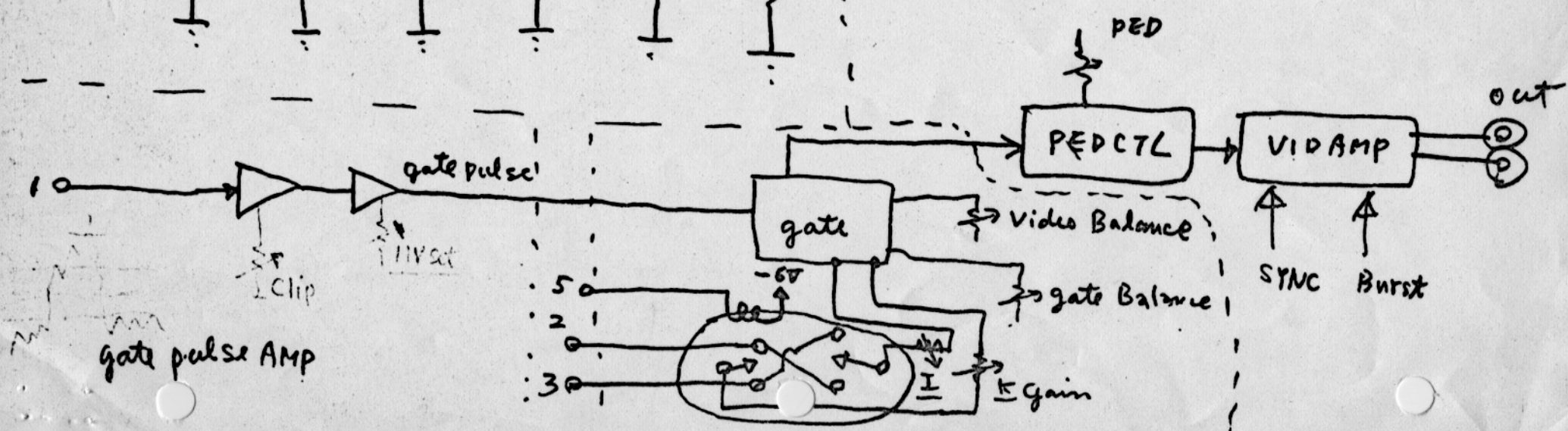
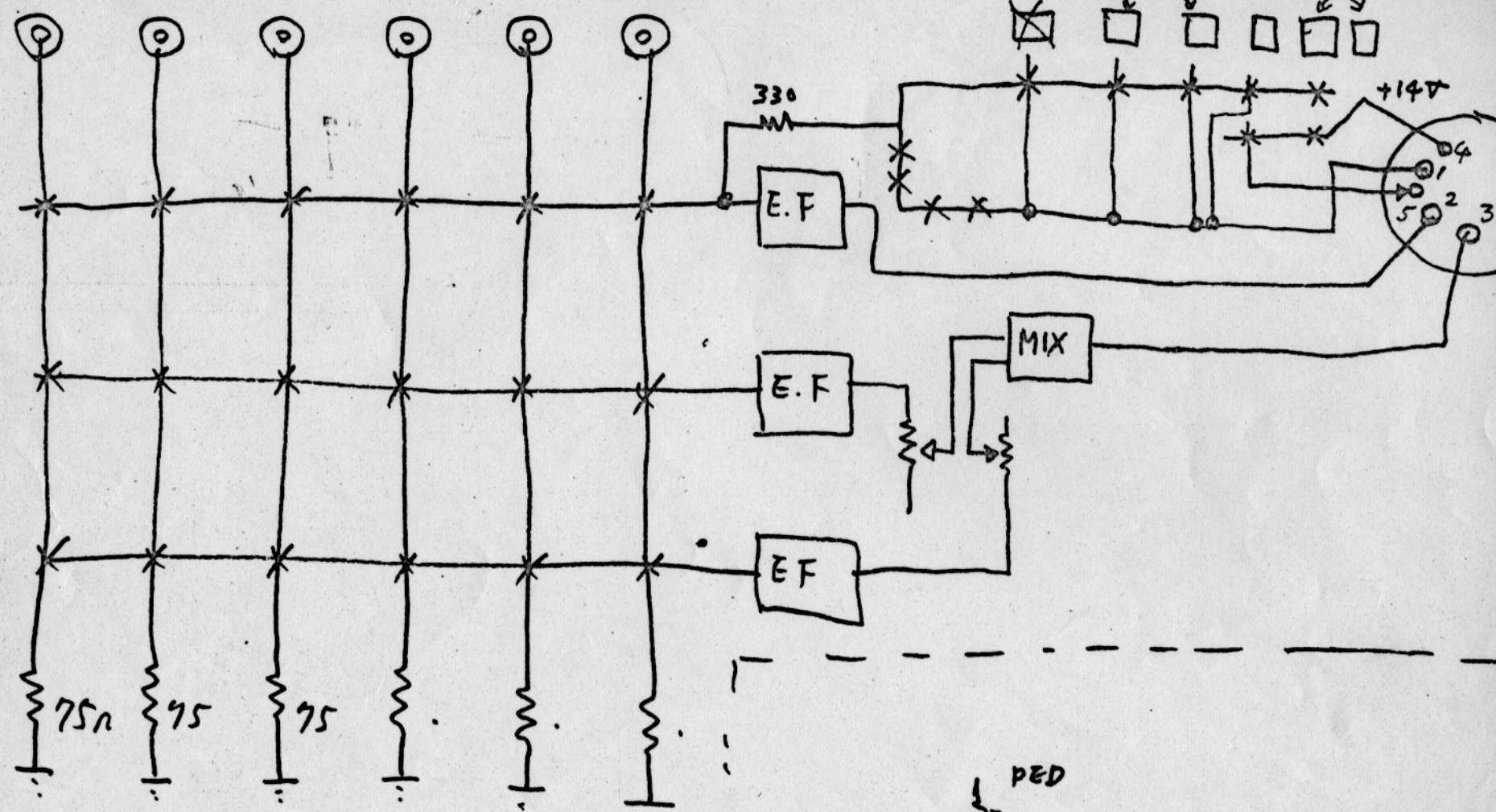
GND 22

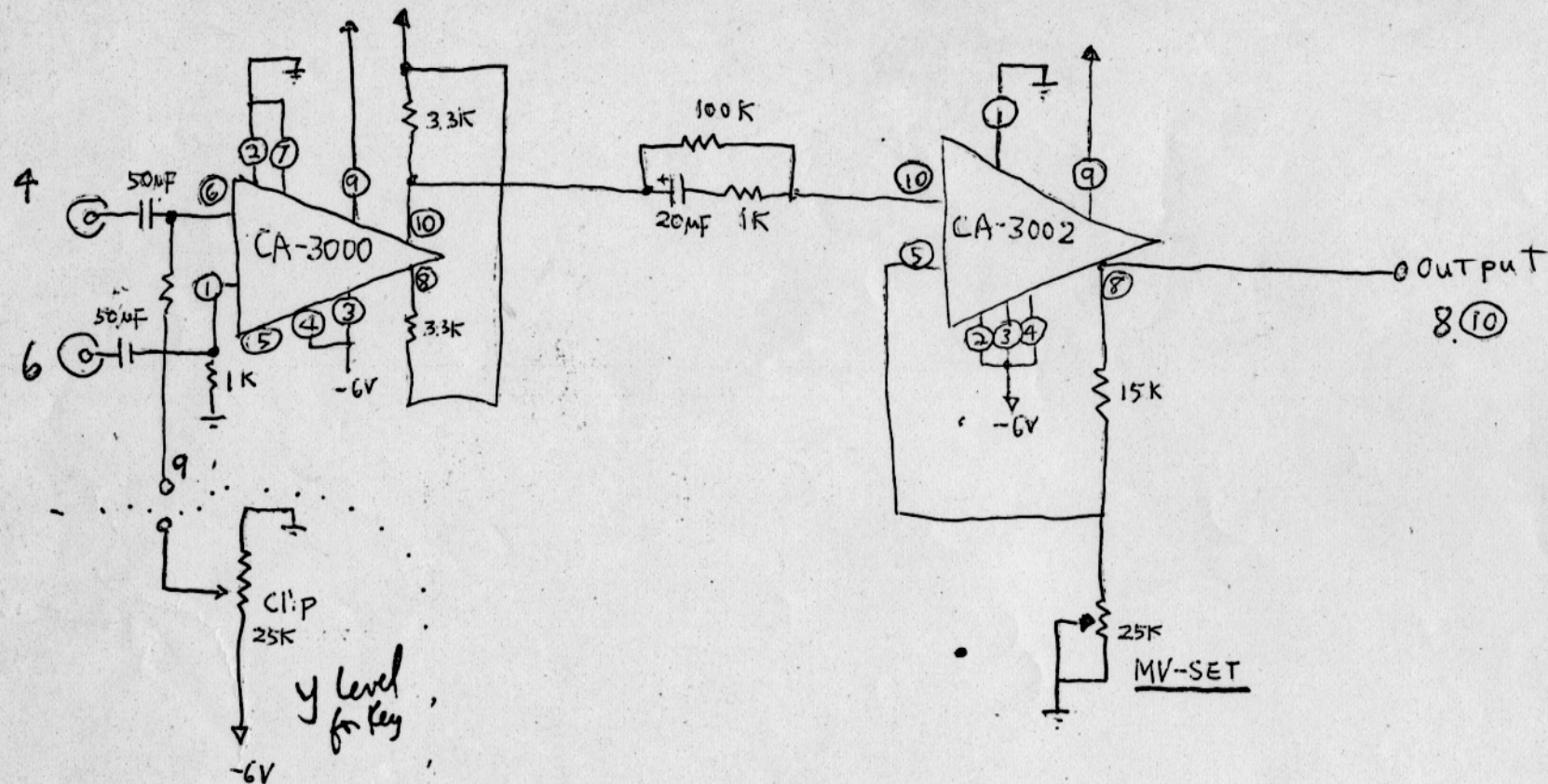
Power Supply



switch board

input

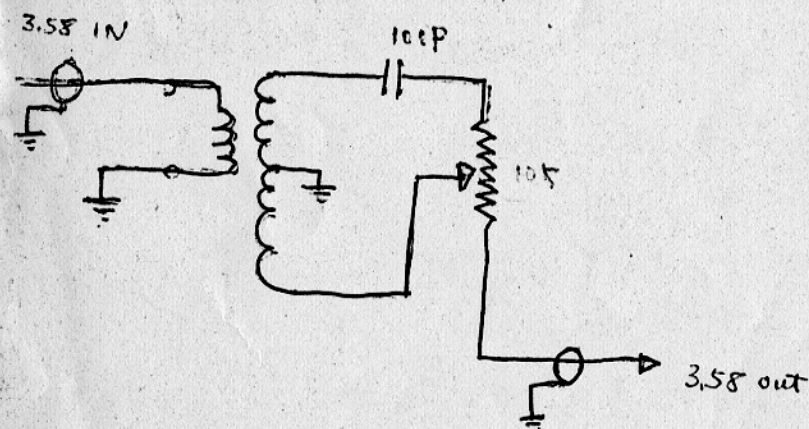
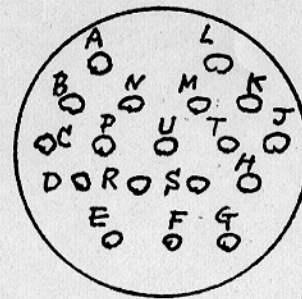




GATE Pulse Amp

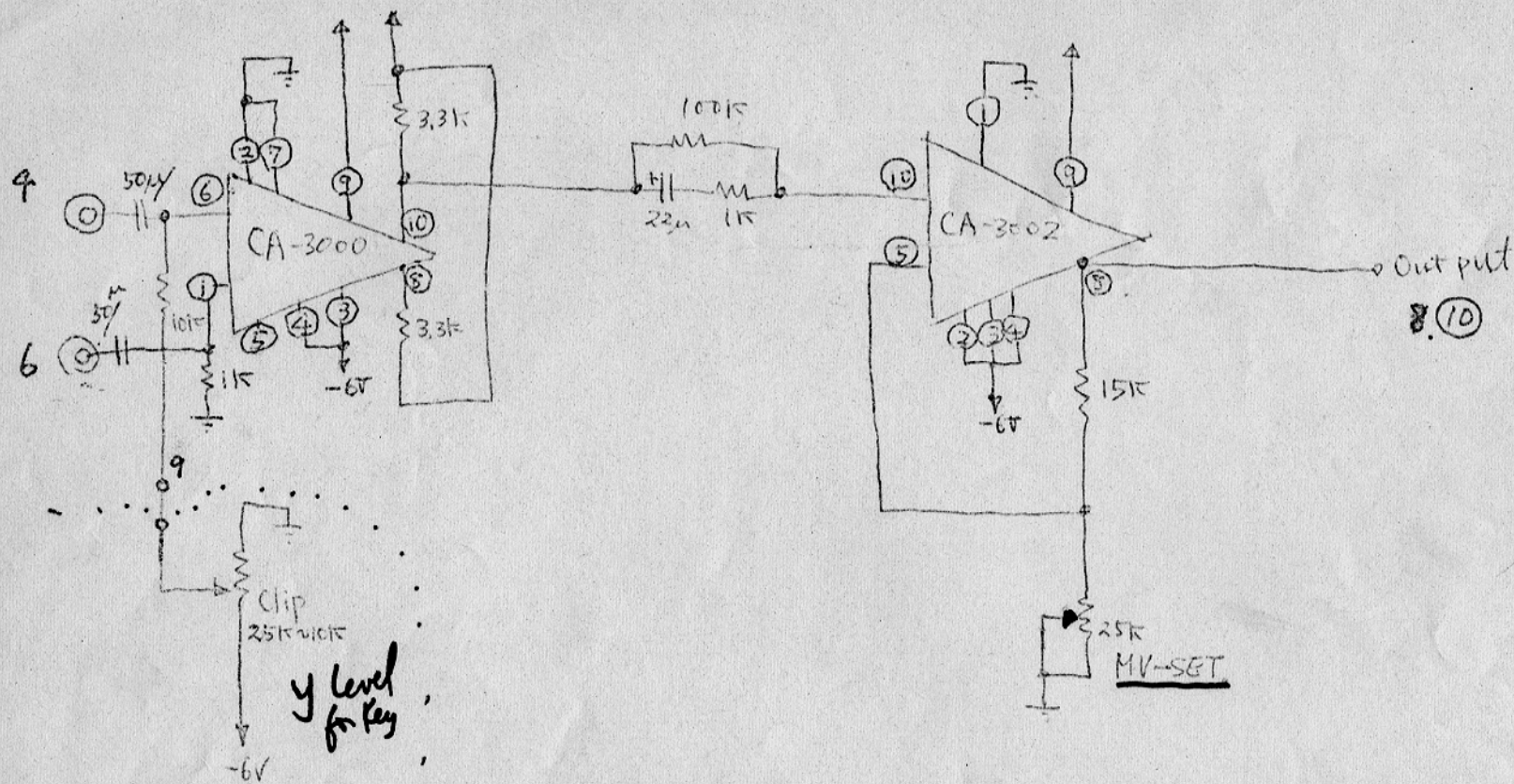
CTC PANEL

A + 12V
 B - 6V
 P GND
 C Rout
 E WAY SEL vid
 H F out
 L T out
 F GND
 K "



Phase CTL.

CONVERTOR Diagram

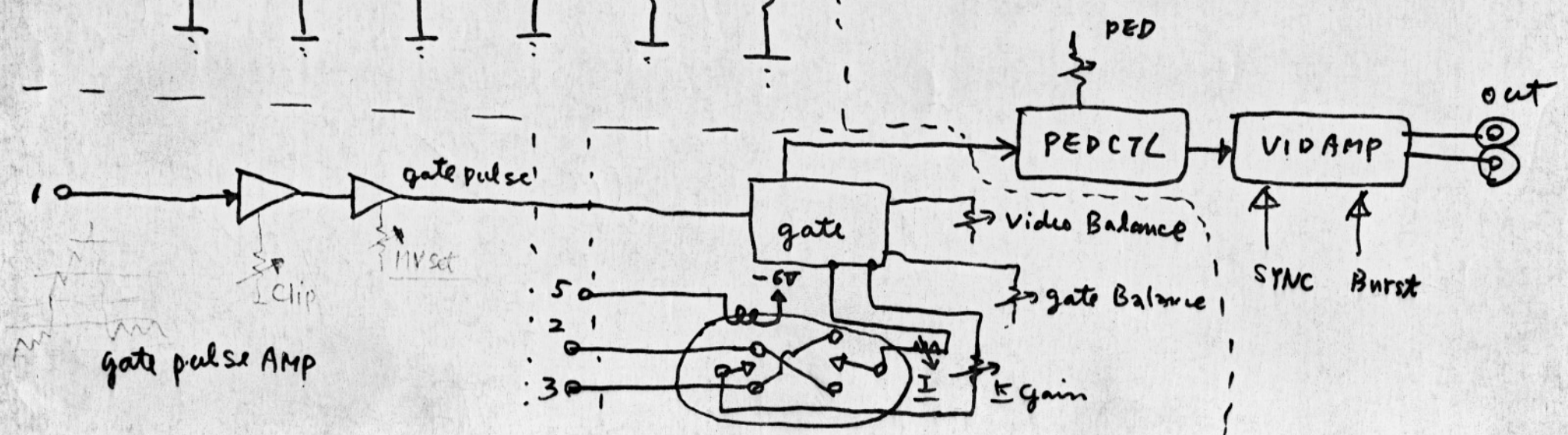
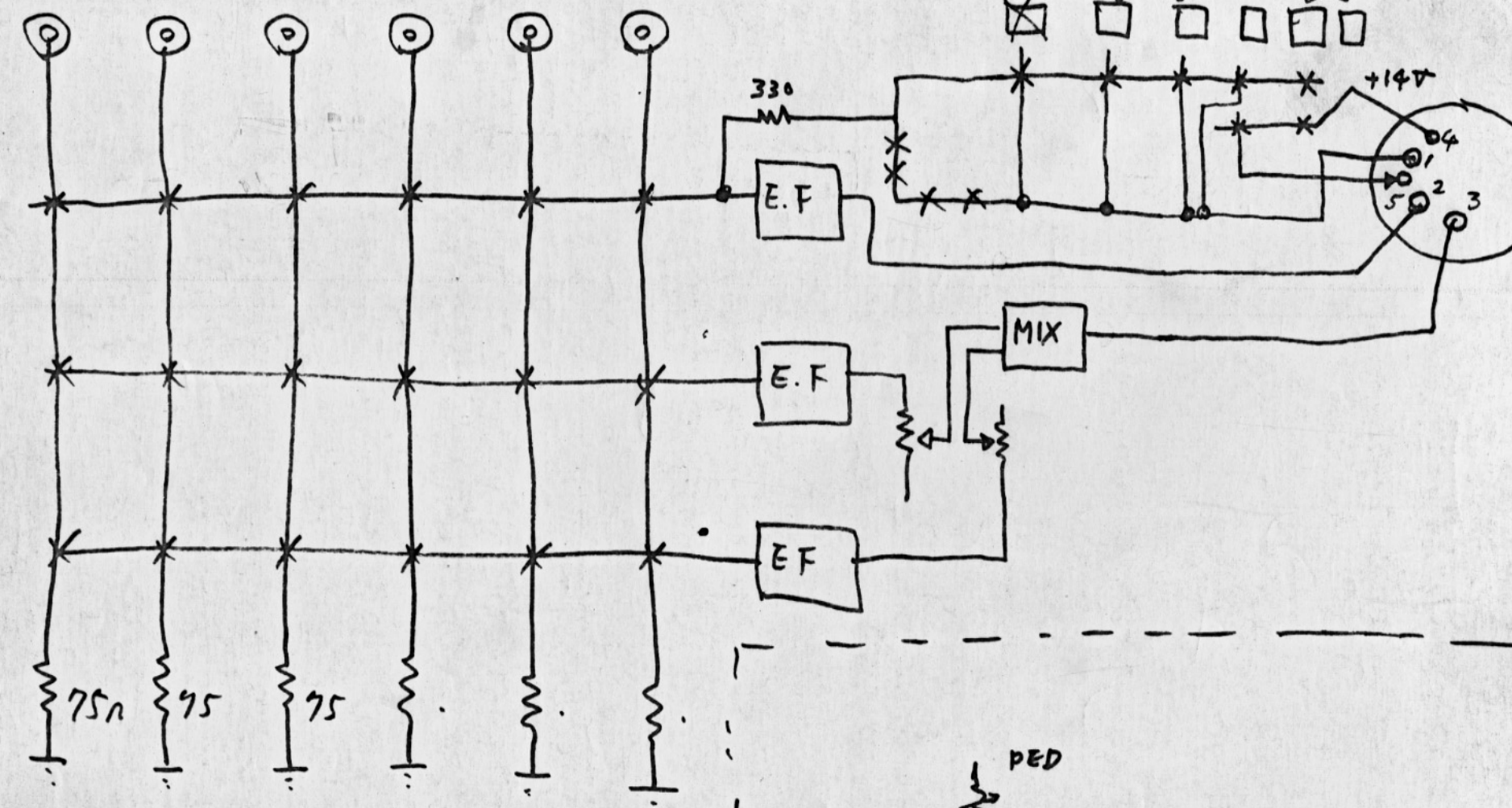


GATE P. AMP

C7C PANEL

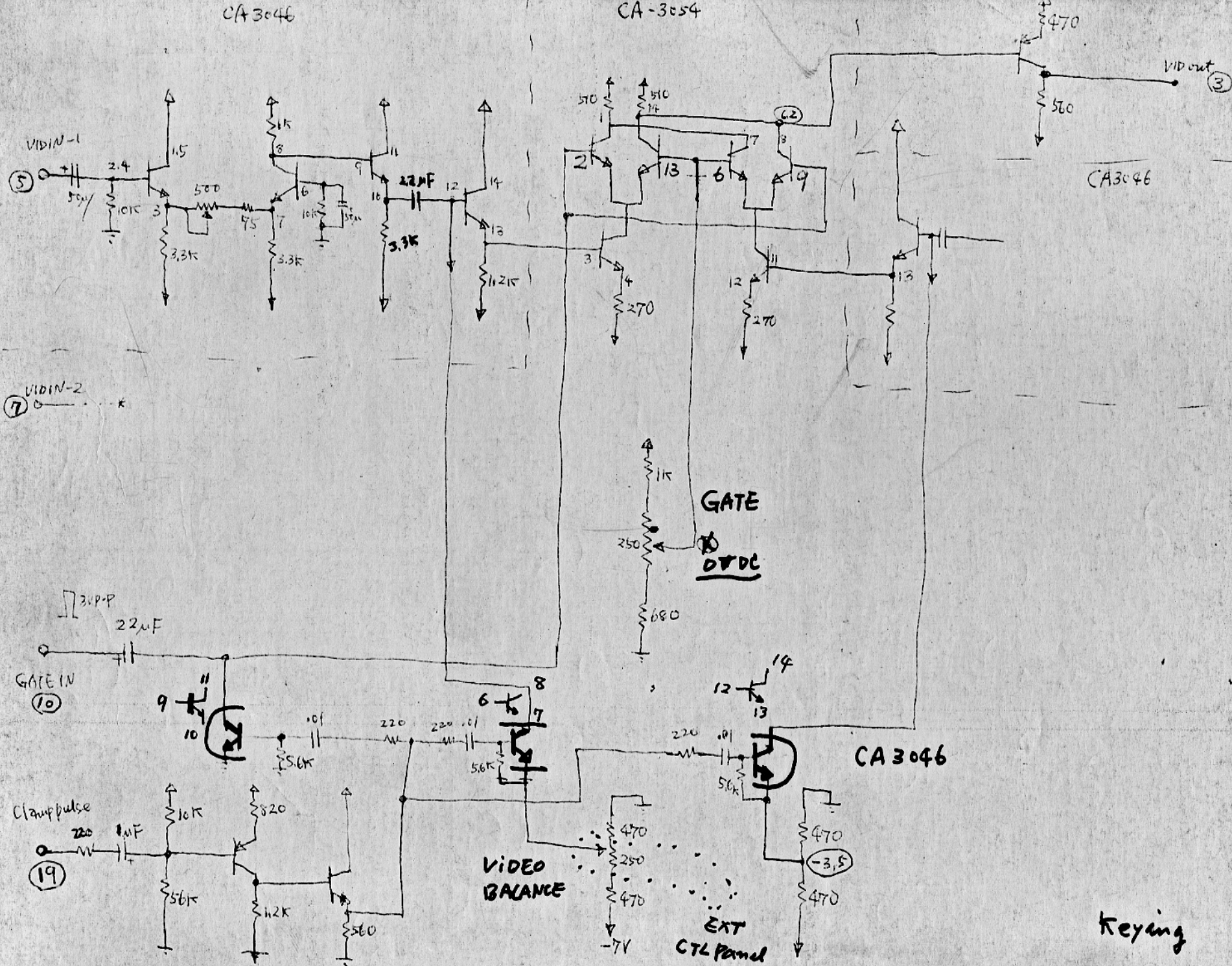
KE Yer Switch board

input



CA3046

CA-3054



CA3046

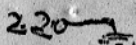
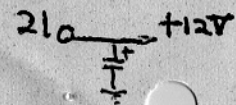
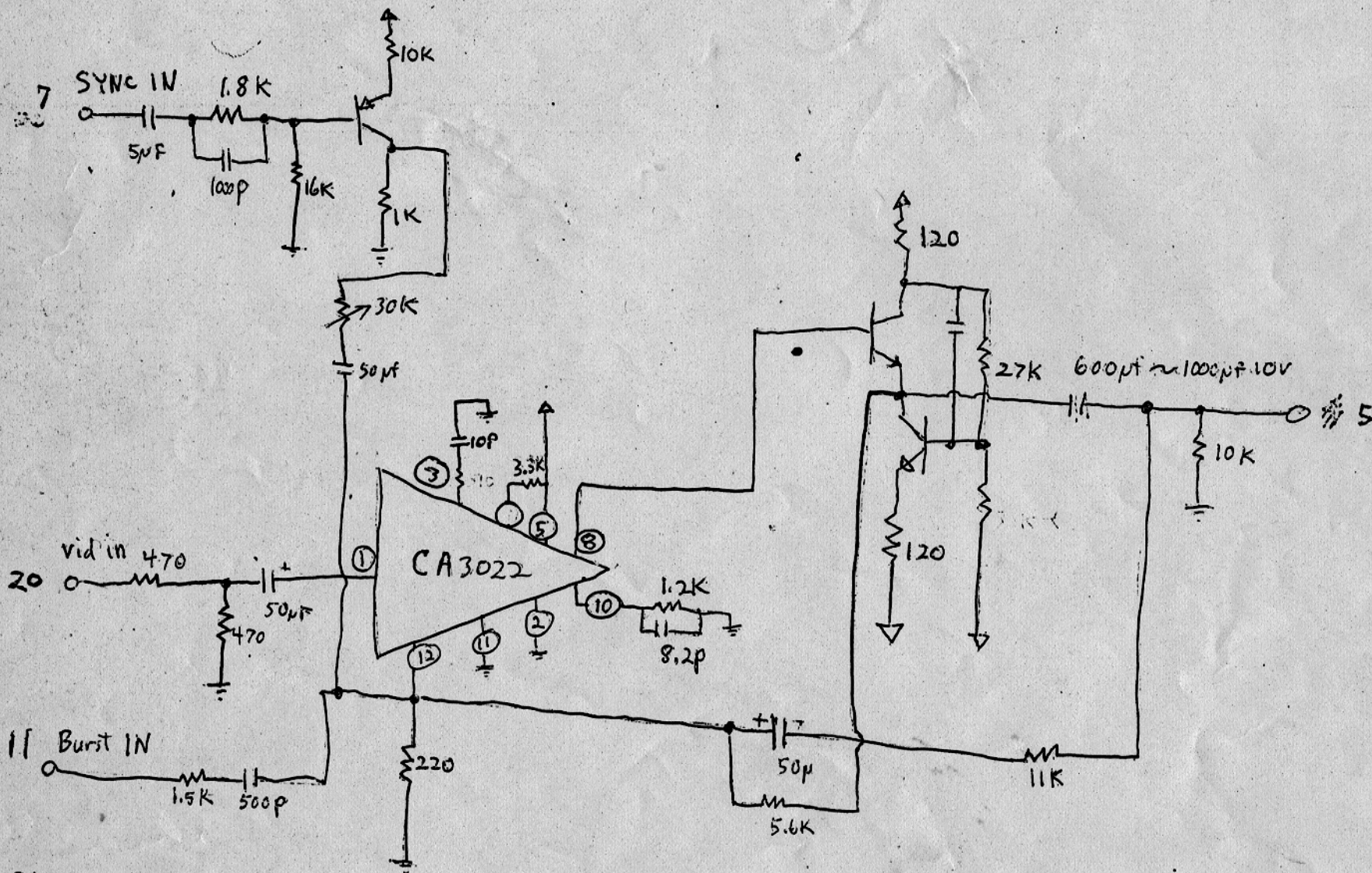
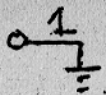
GATE

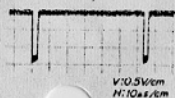
DTRC

CA3046

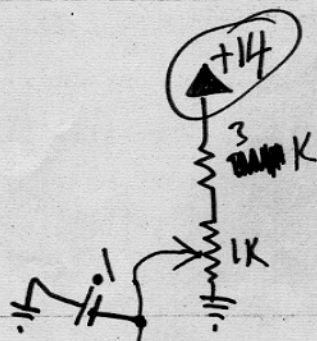
VIDEO
BALANCEEXT
CTL Panel

Keying

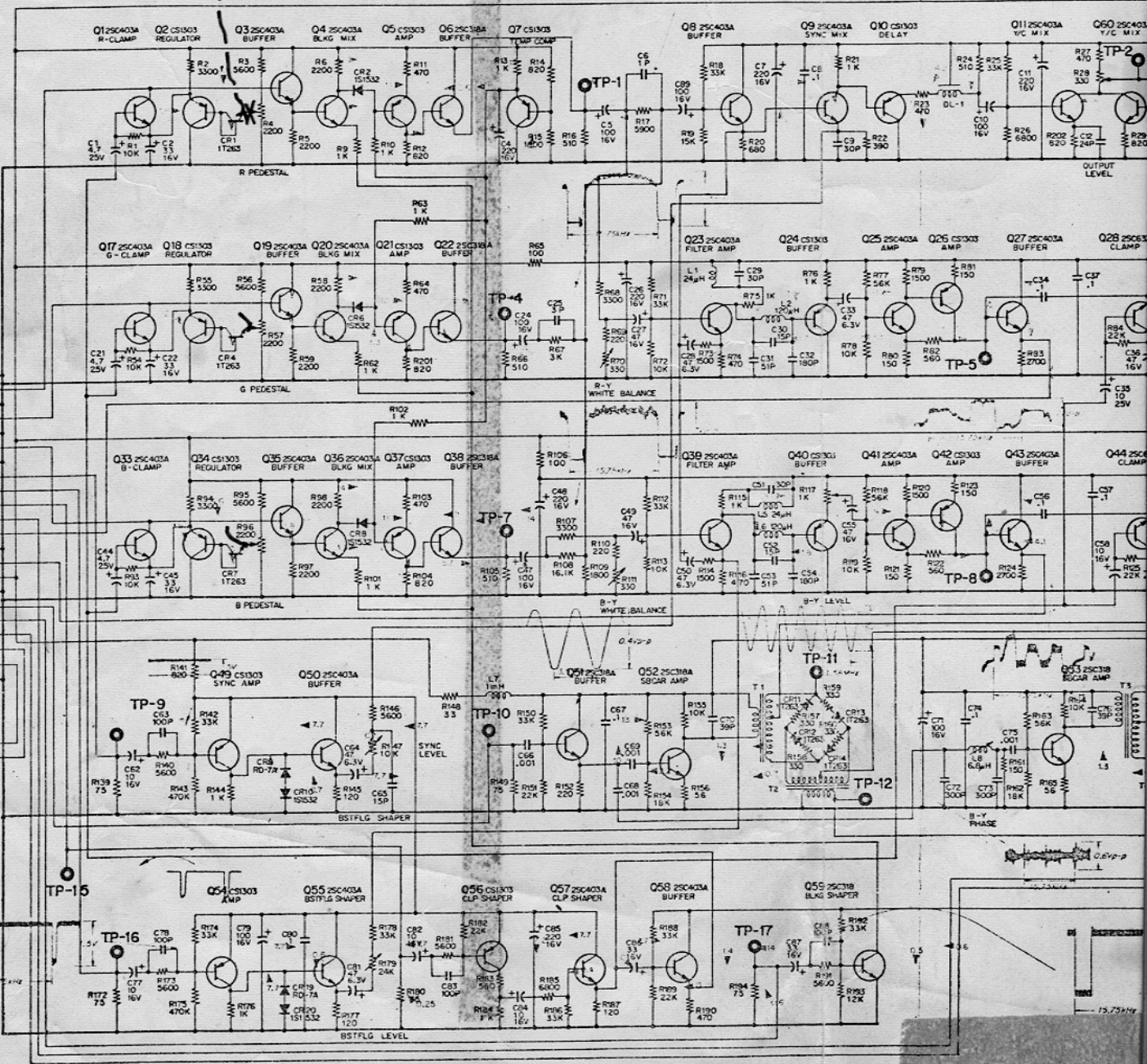


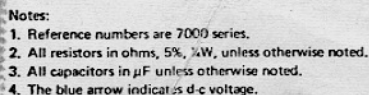


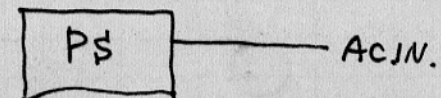
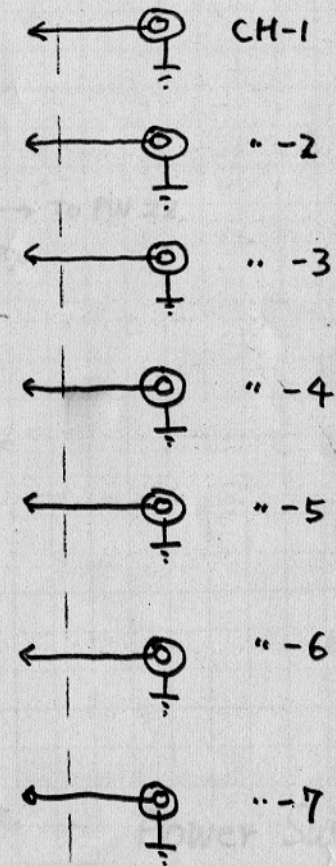
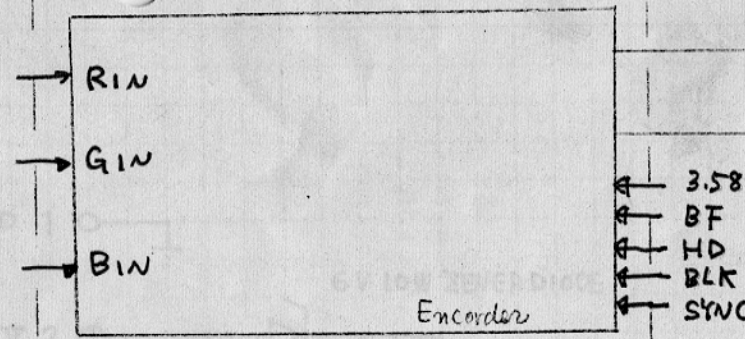
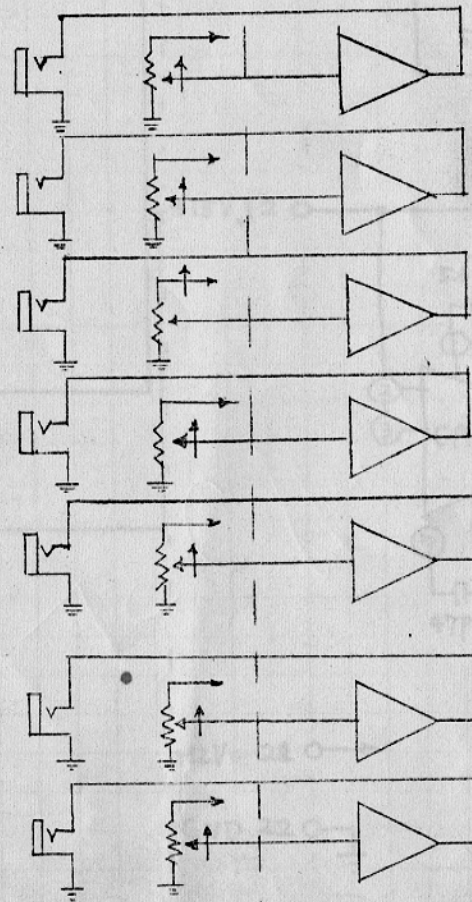
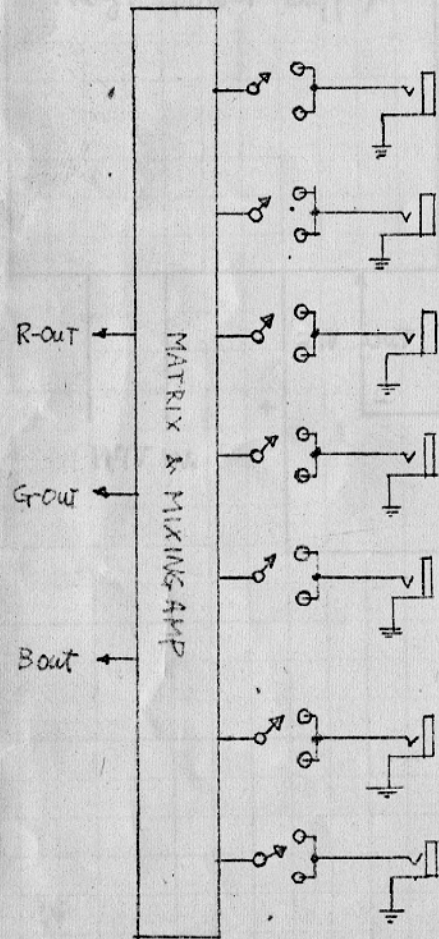
V: 1V/cm
H: 10ns/cm



- A GROUND
 B R IN
 C GROUND
 D G IN
 E GROUND
 F D IN
 H GROUND
 I SYNC IN
 J BSTFLG IN
 L CLP IN
 M MOD C OUT
 N R-Y OUT
 P GROUND
 R B-Y OUT
 T GROUND
 U SBCAR IN
 V BLKG
 W REF CHROMA
 X CMPST VIDEO 2
 Y CMPST VIDEO 1
 Z GROUND







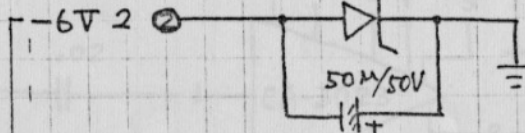


117V IN.

21V OUT

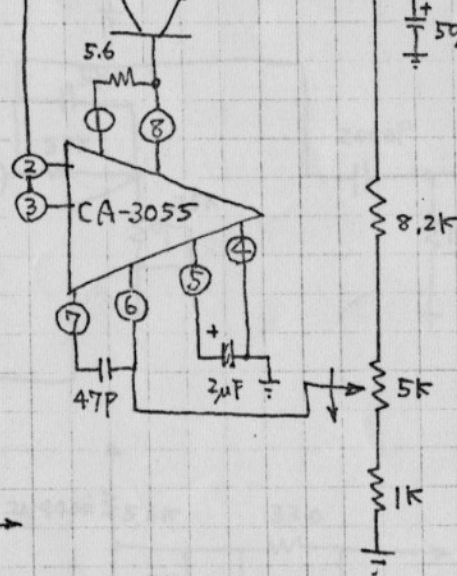
GND 1

6V 10W ZENER DIODE.



+15V. 12

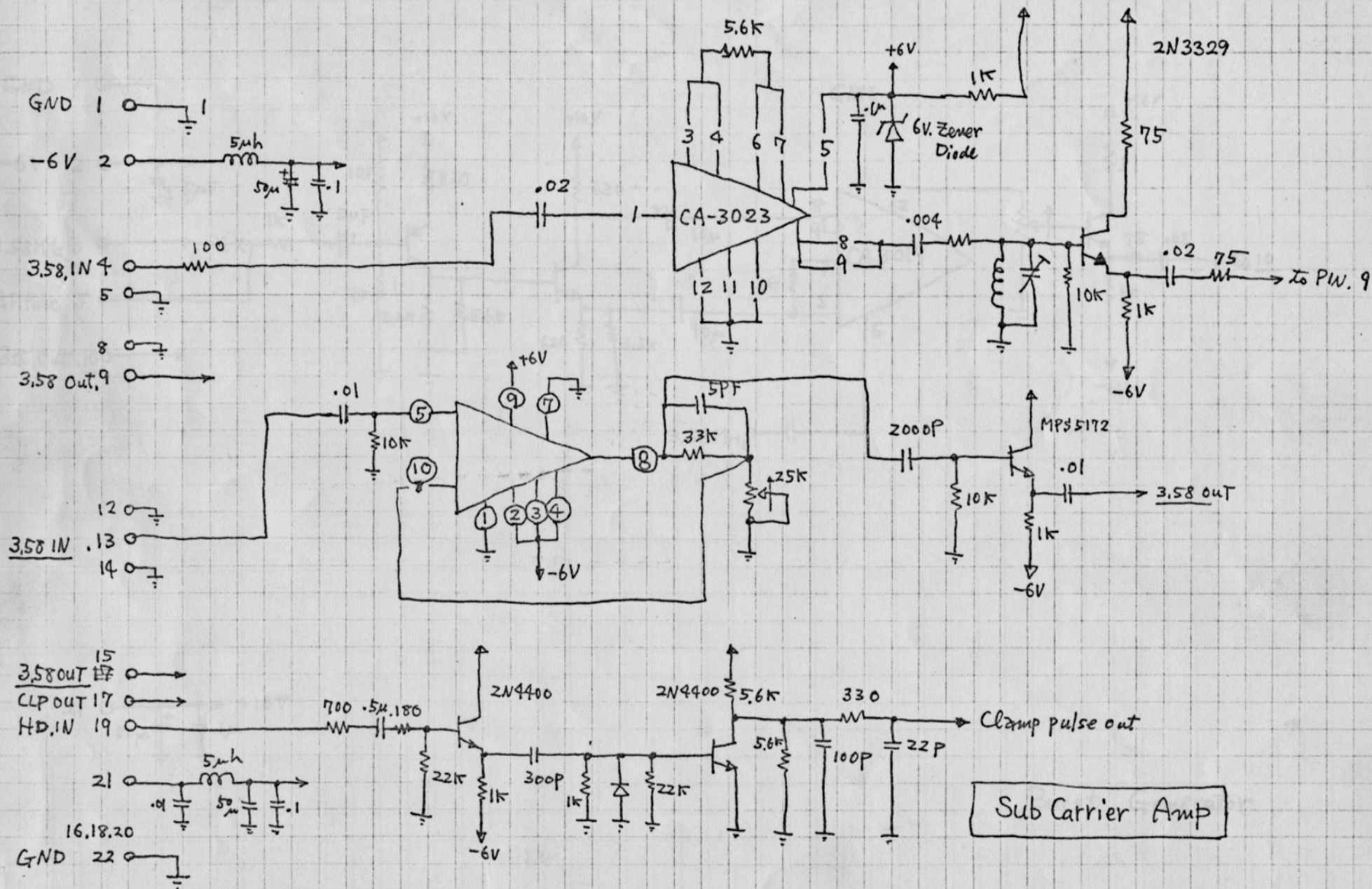
To PIN 22.

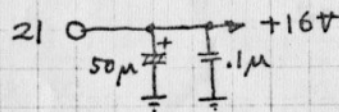
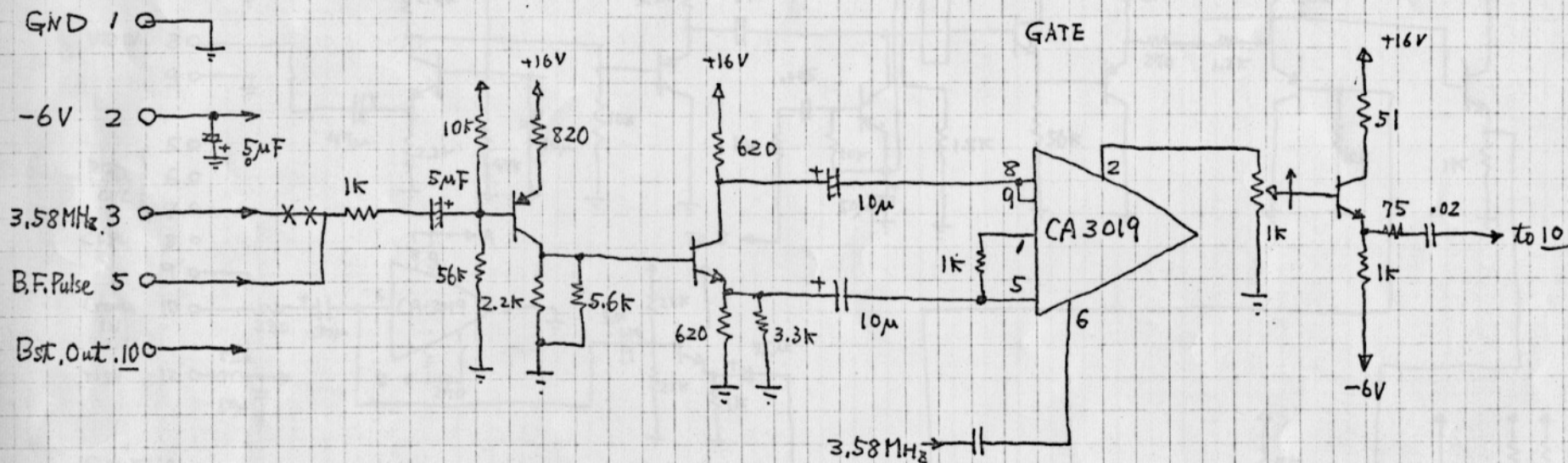


+12V 21

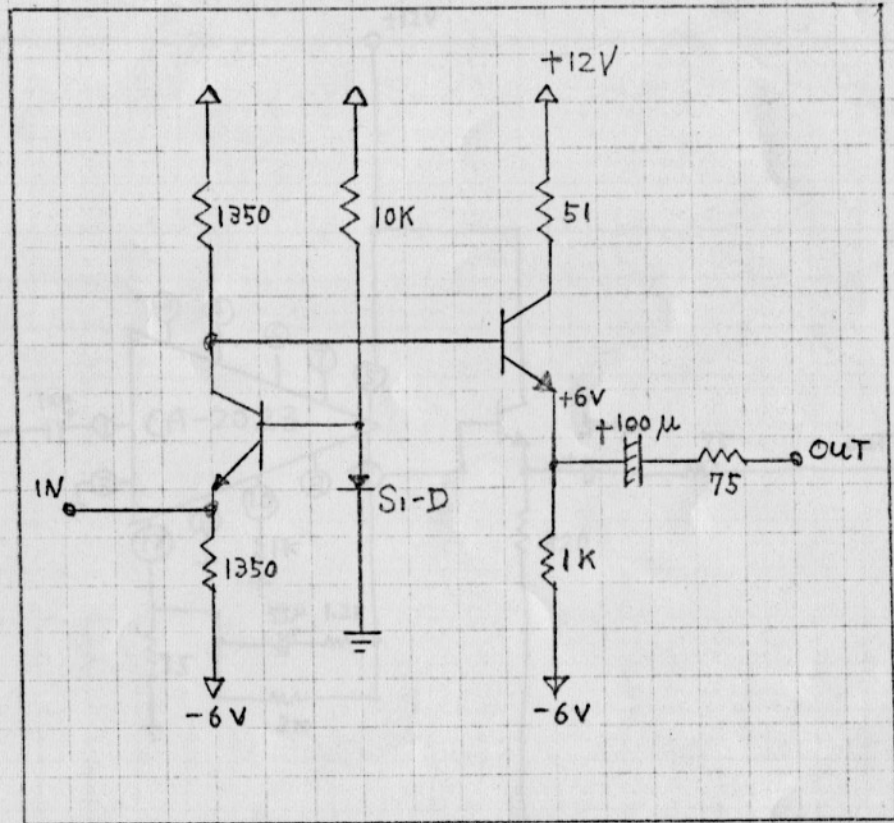
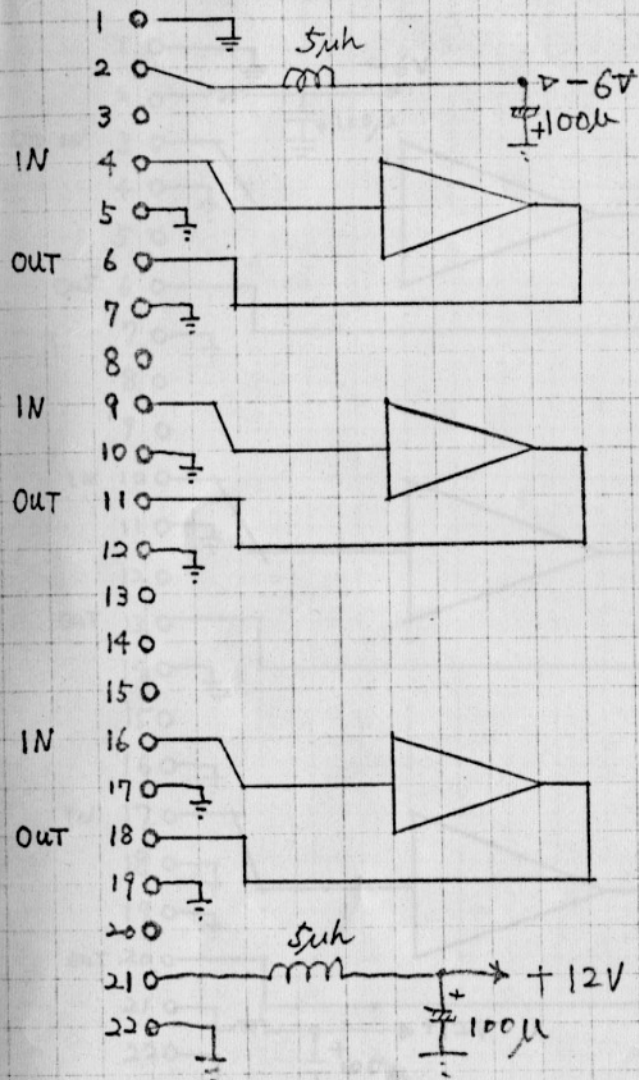
GND 22

Power Supply

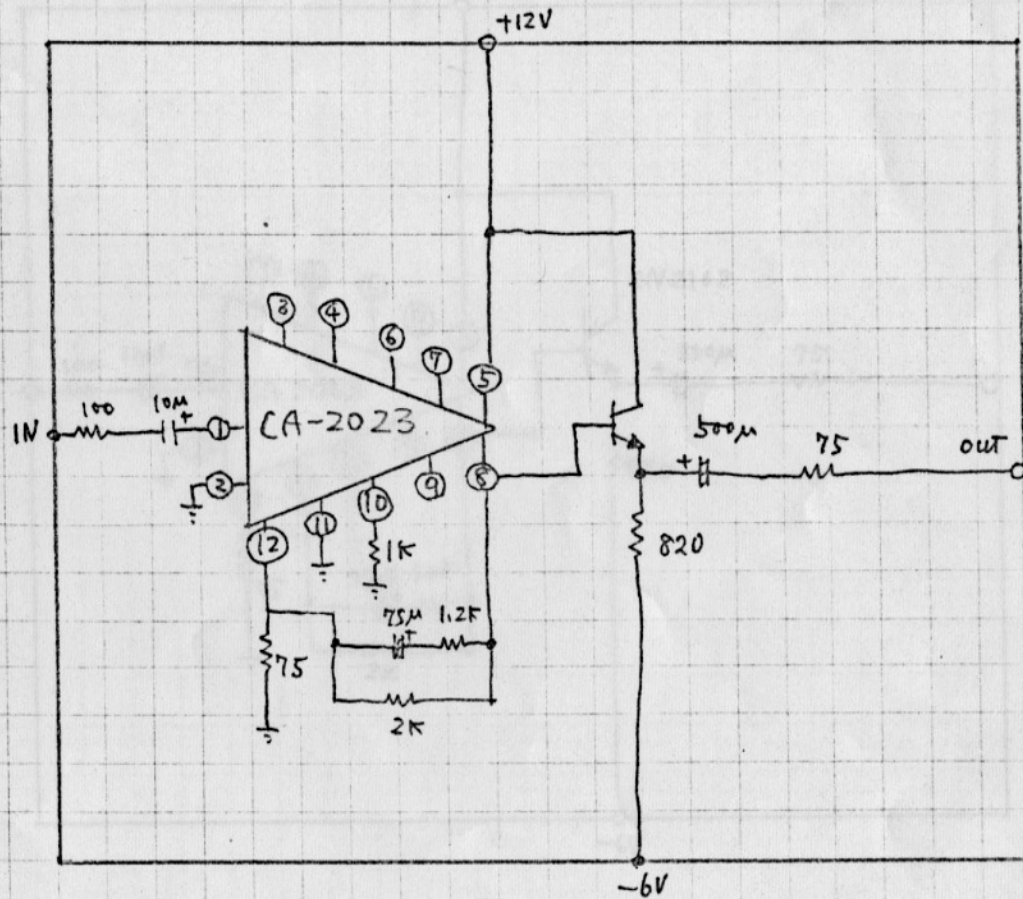
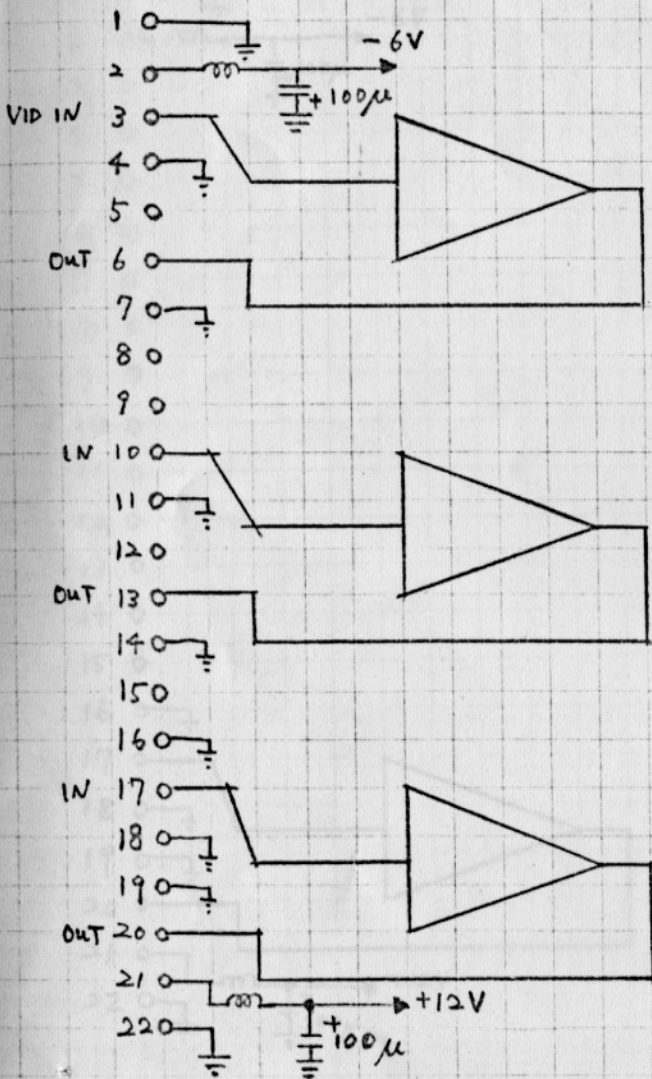




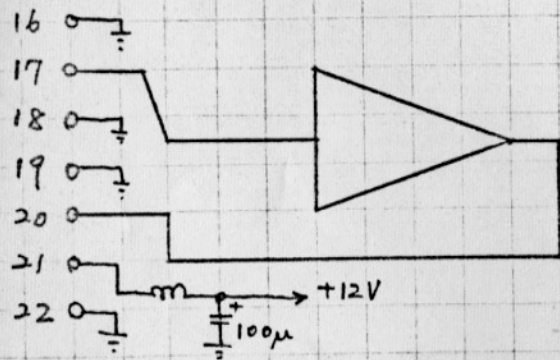
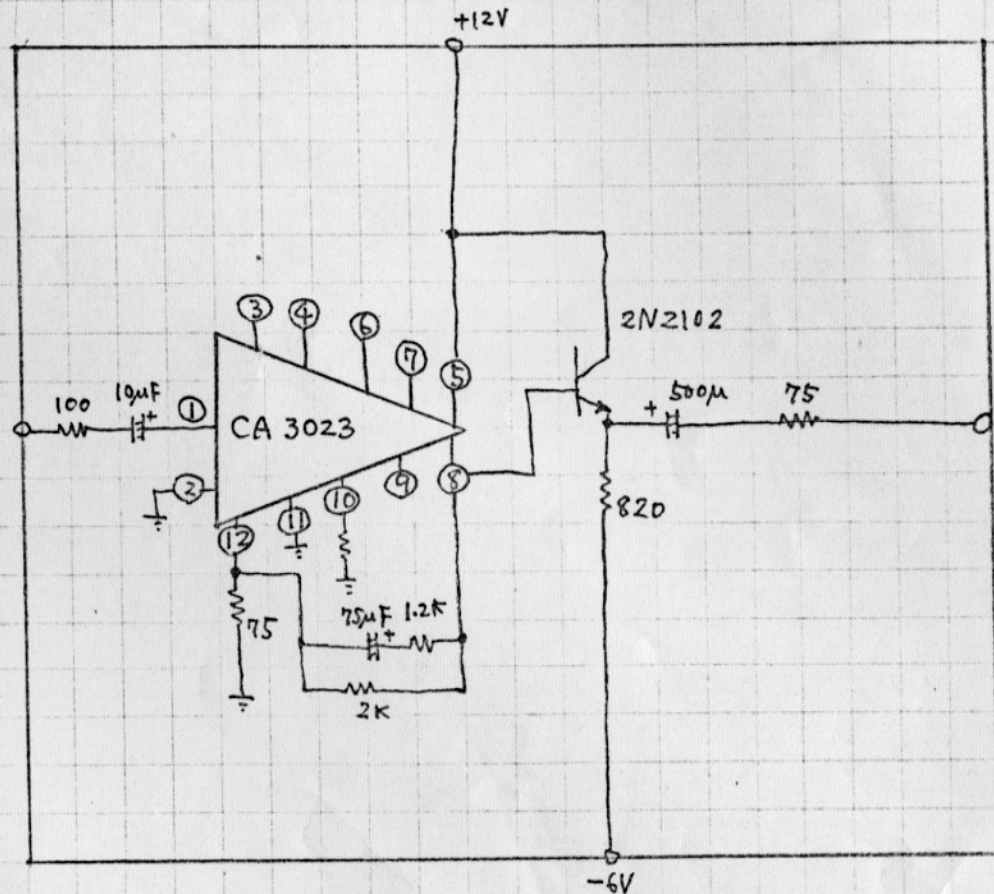
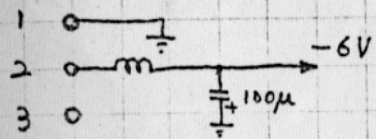
Burst Generator



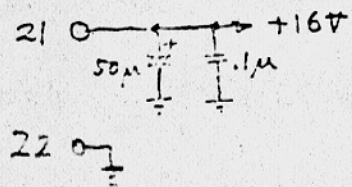
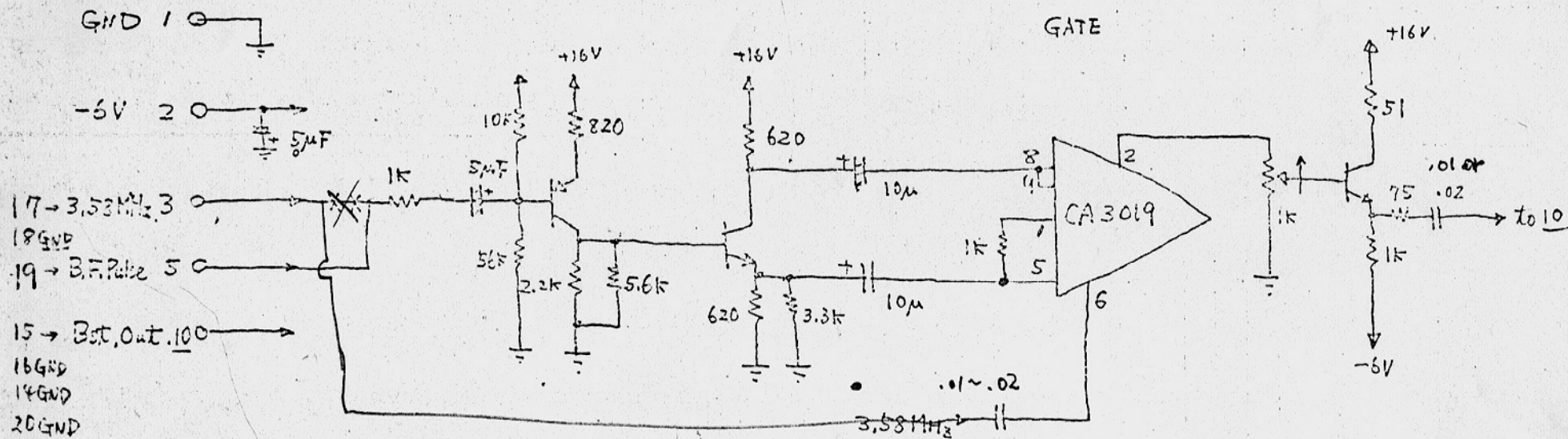
Mixing Amp



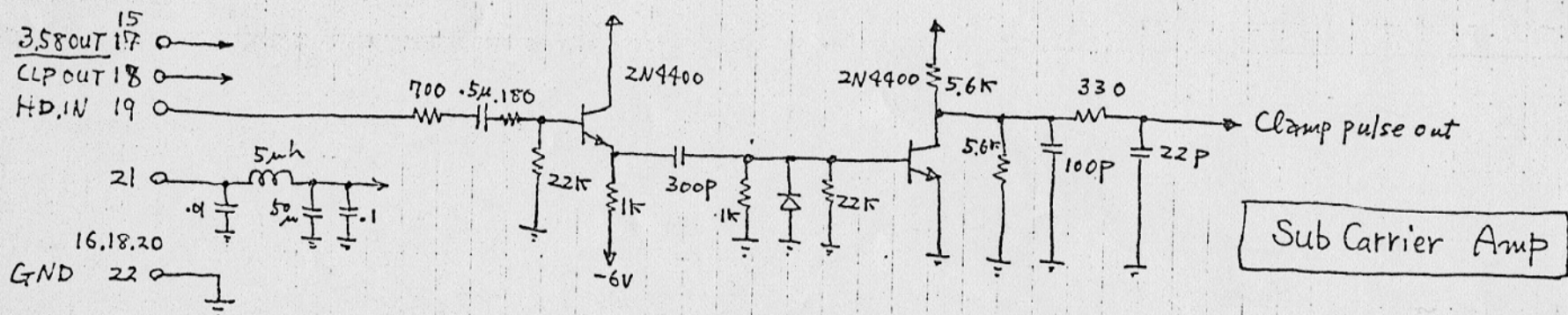
Amp.

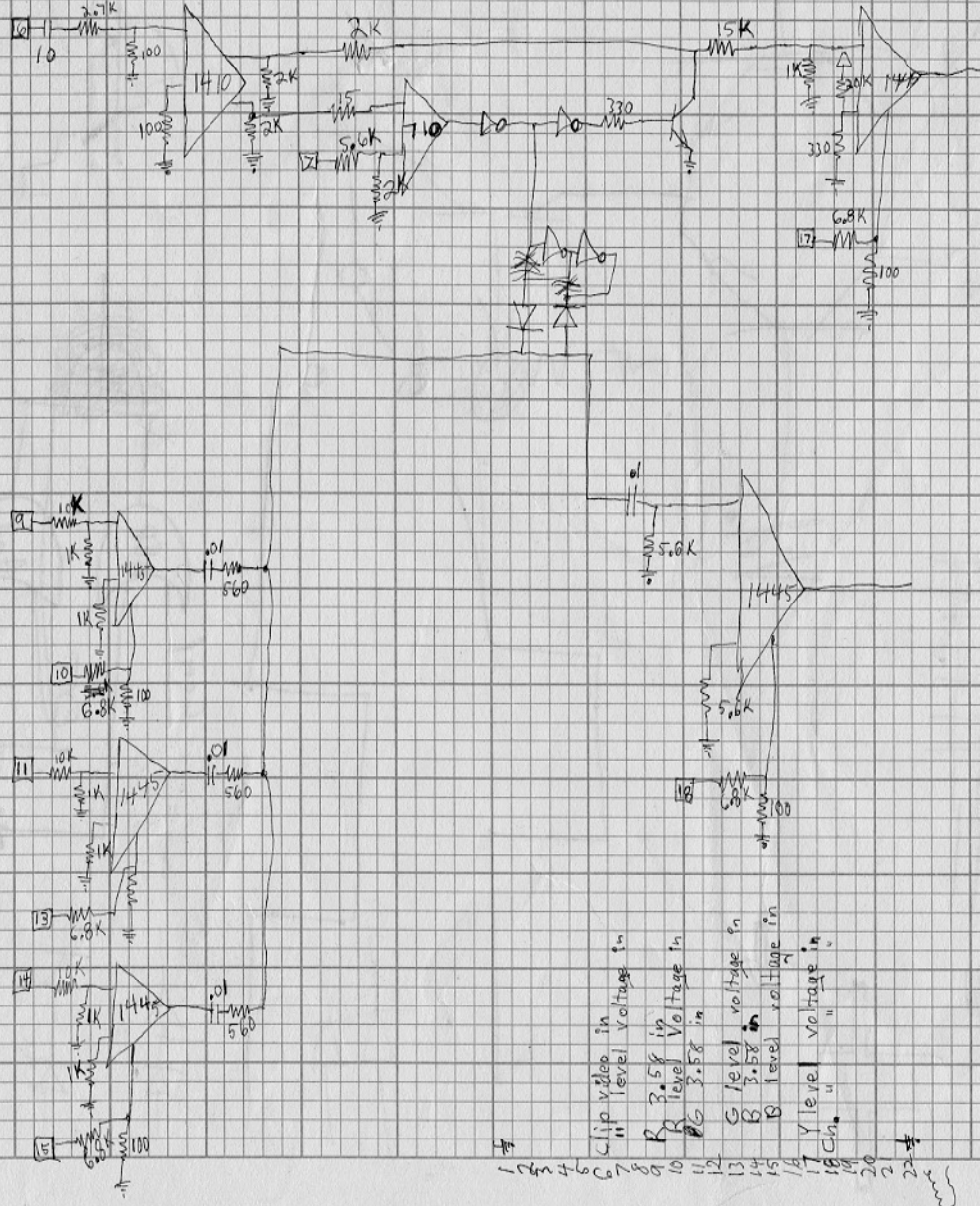


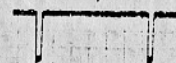
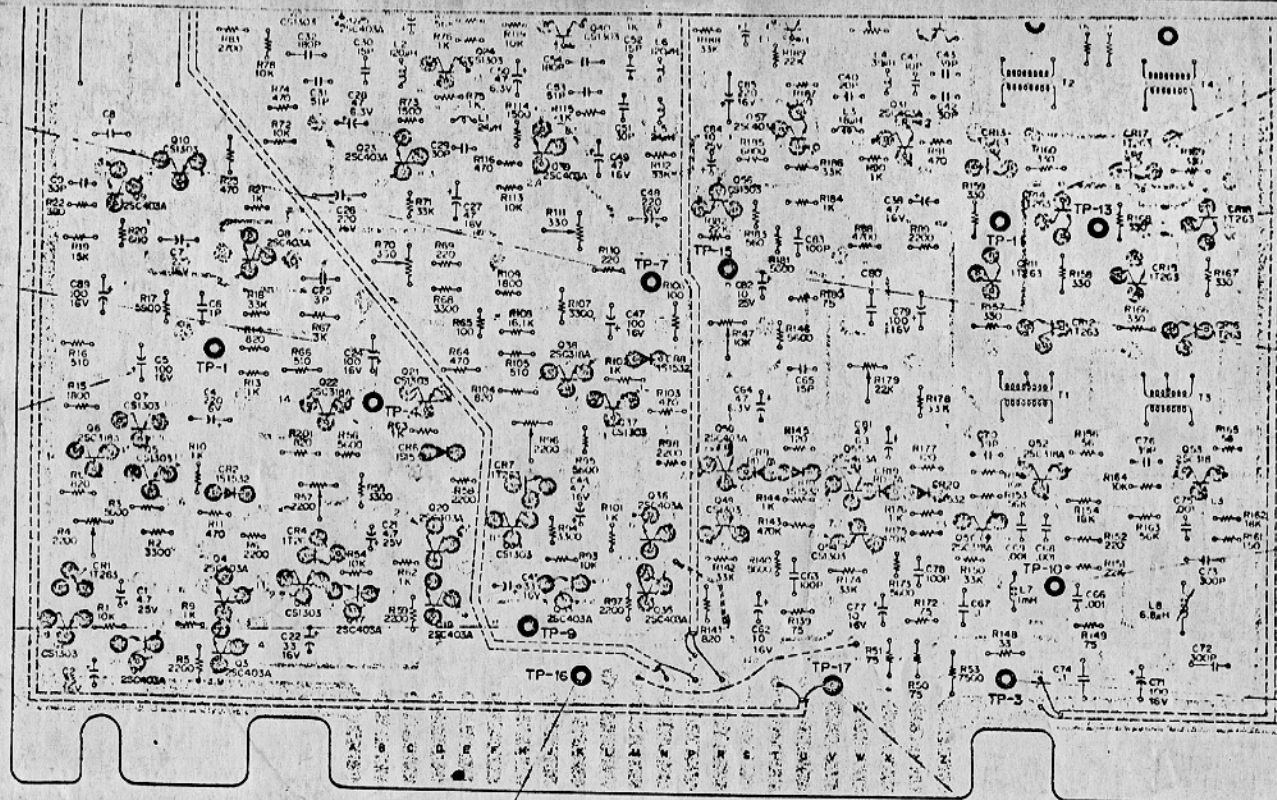
Amp.



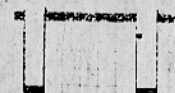
Burst Generator







V: 0.5V/cm
H: 10as/cm

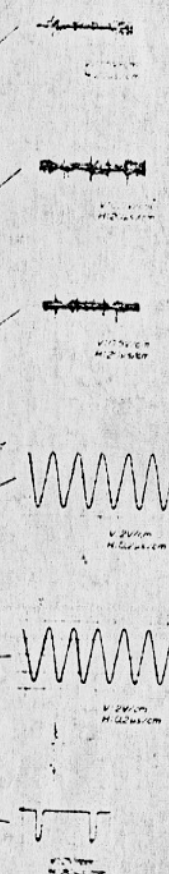
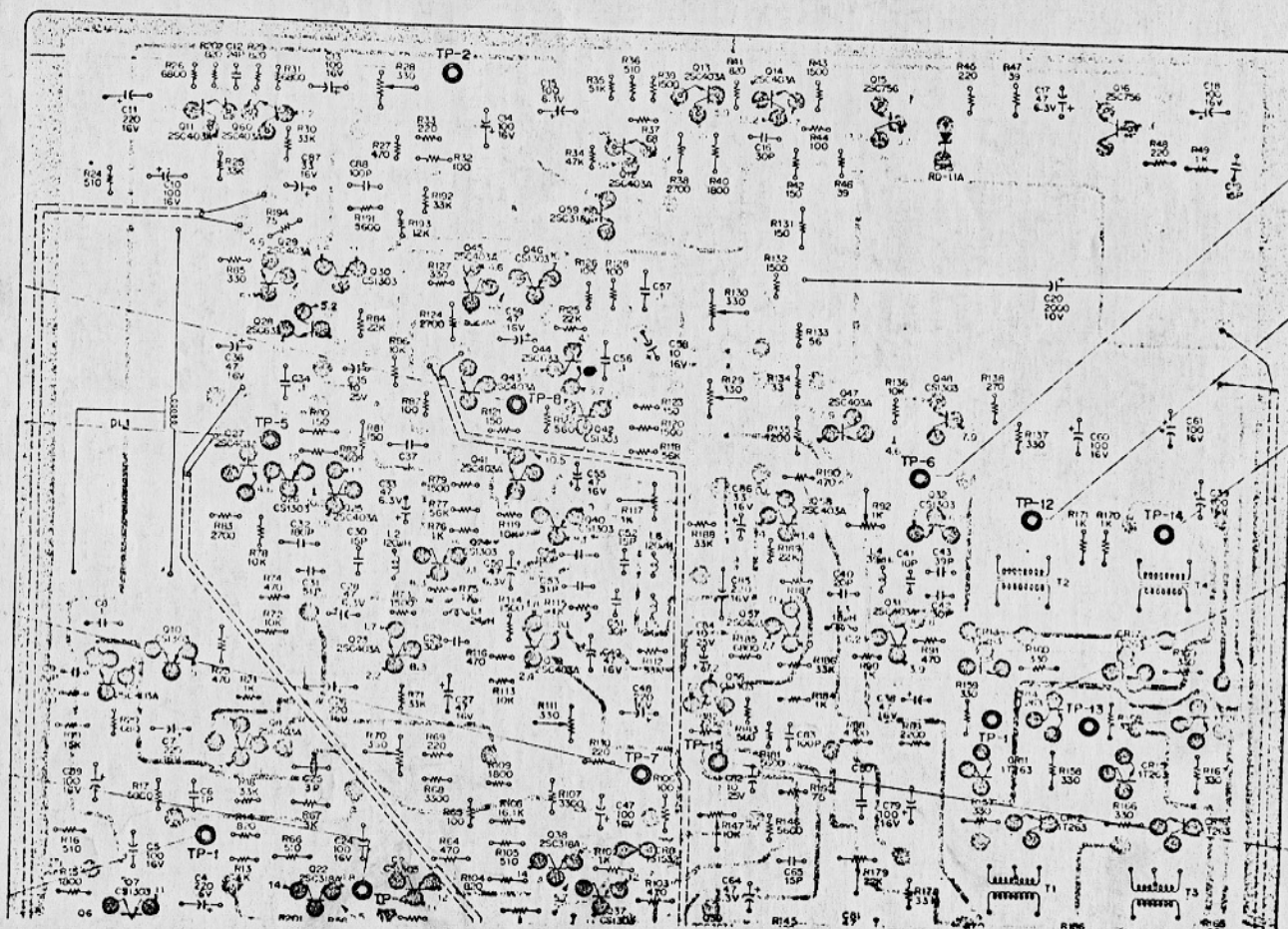


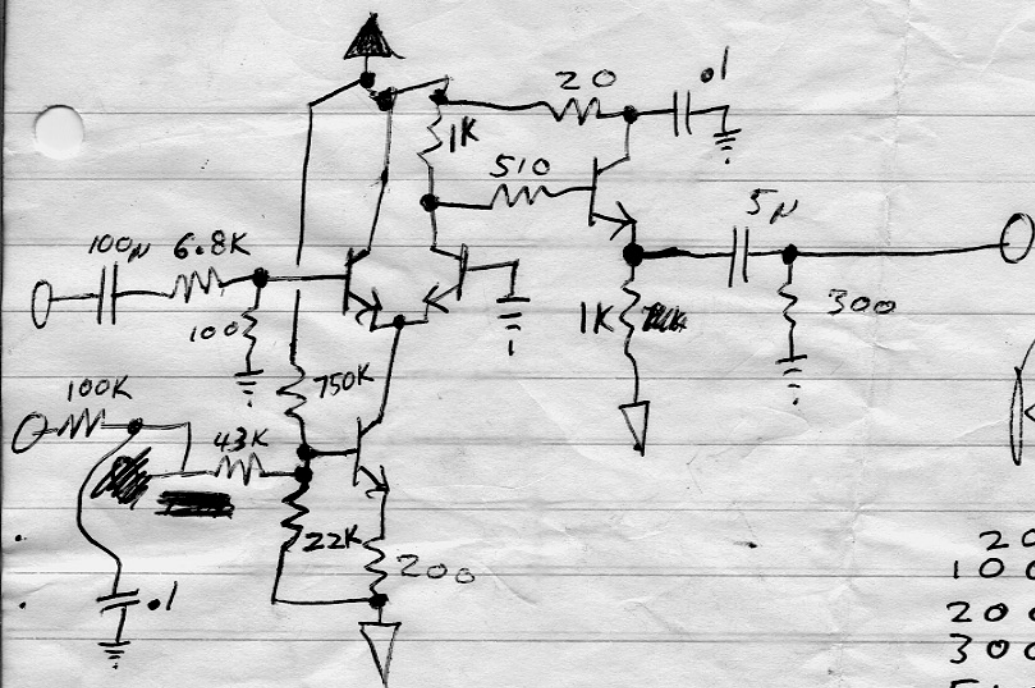
V: 1V/cm
H: 10as/cm

Note:
Printed pattern of
component side
is shown in gray.

ENCODER

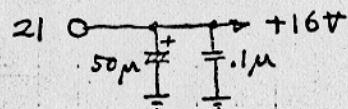
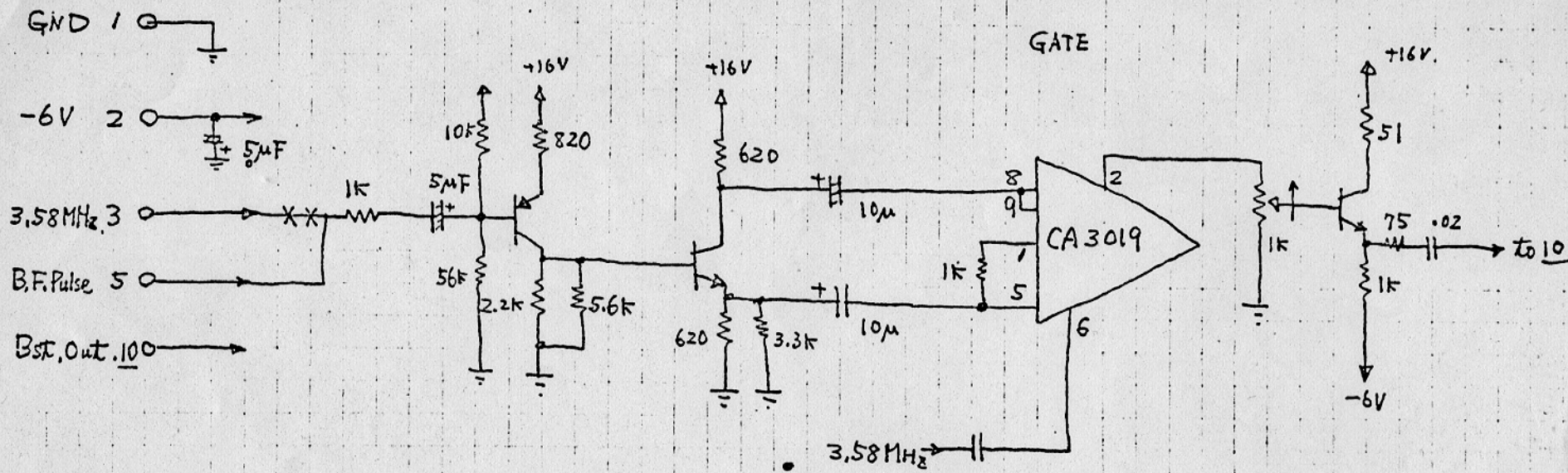
-conductor side-





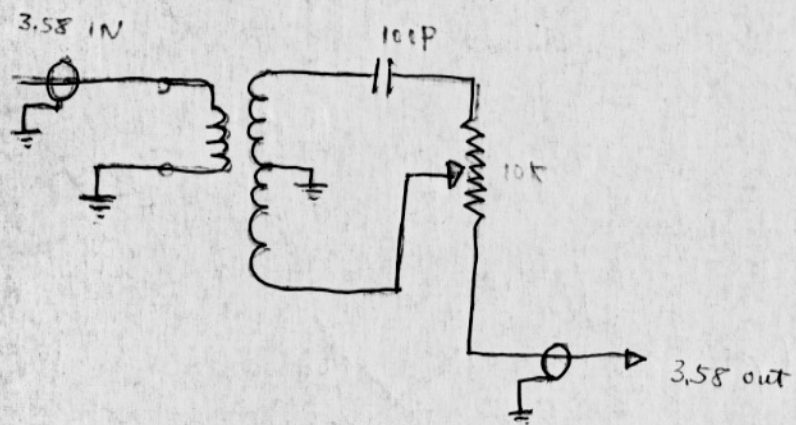
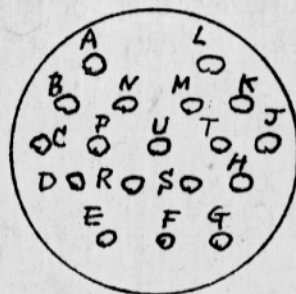
20 — 1
 100 — 1
 200 — 1
 300 — 1
 510 — 1
 1K — 2
 6.8K — 1
 22K — 1
 43K — 1
 100K — 1
 750K — 1

C
 .1 — 2
 5 — 1
 100 — 1
 PN918-3



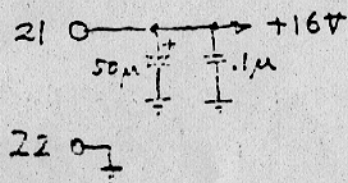
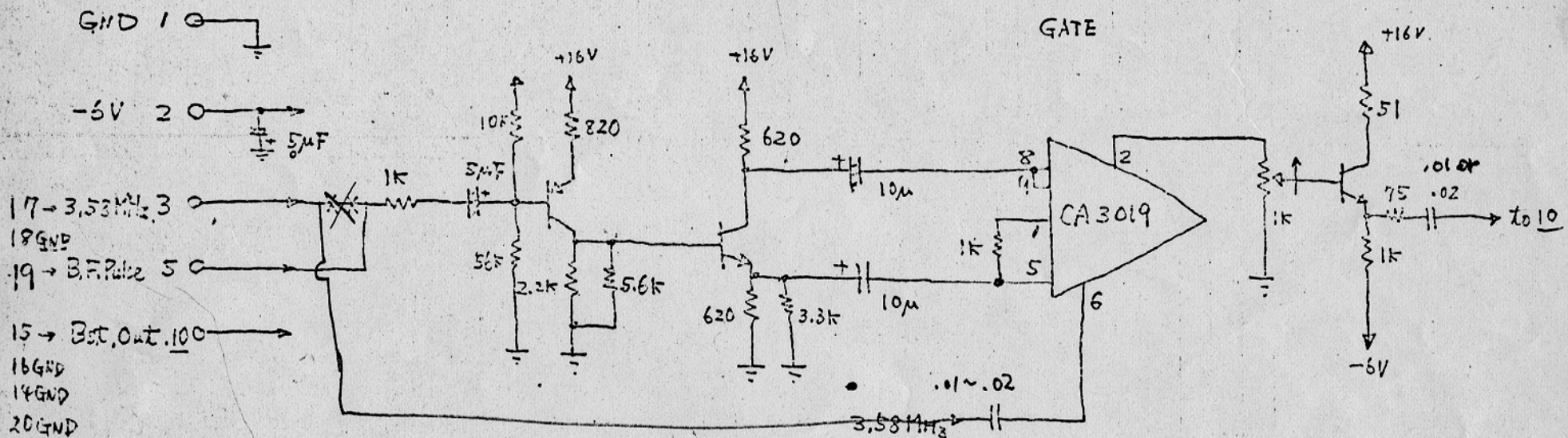
Burst Generator

A + 12V
 B - 6V
 P GND
 C Rout
 E 60K SEL vid
 H F out
 L T out
 F GND
 K "

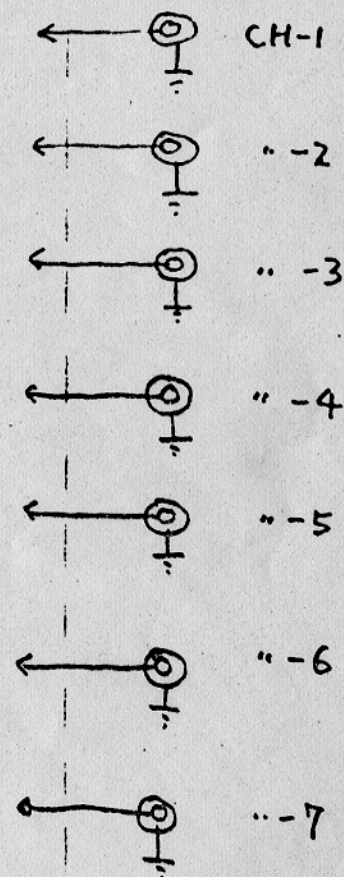
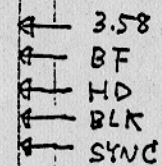
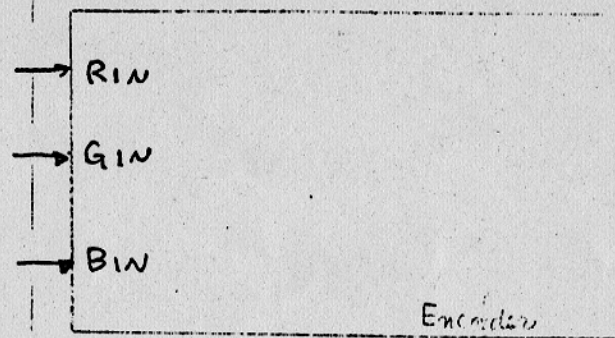
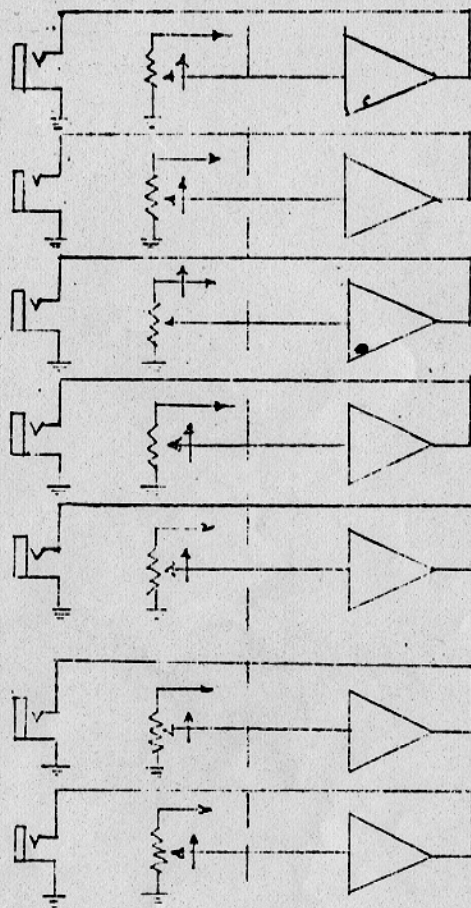
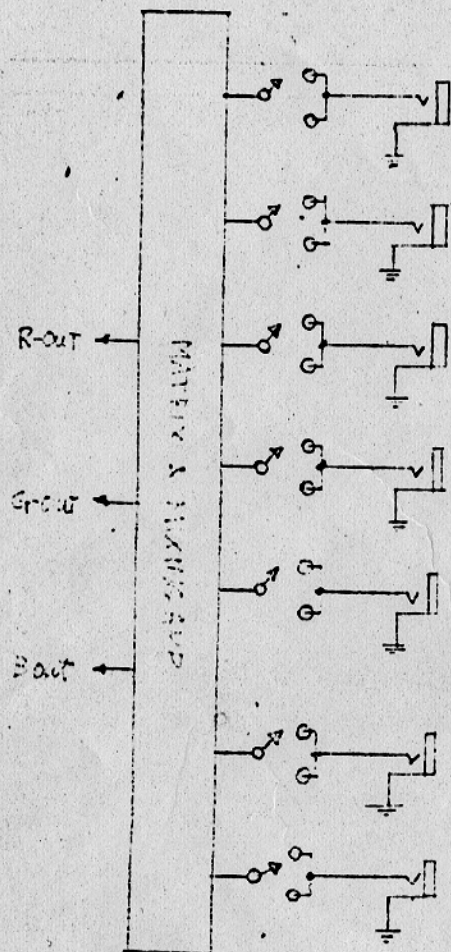


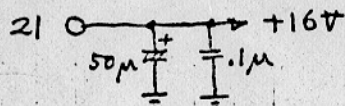
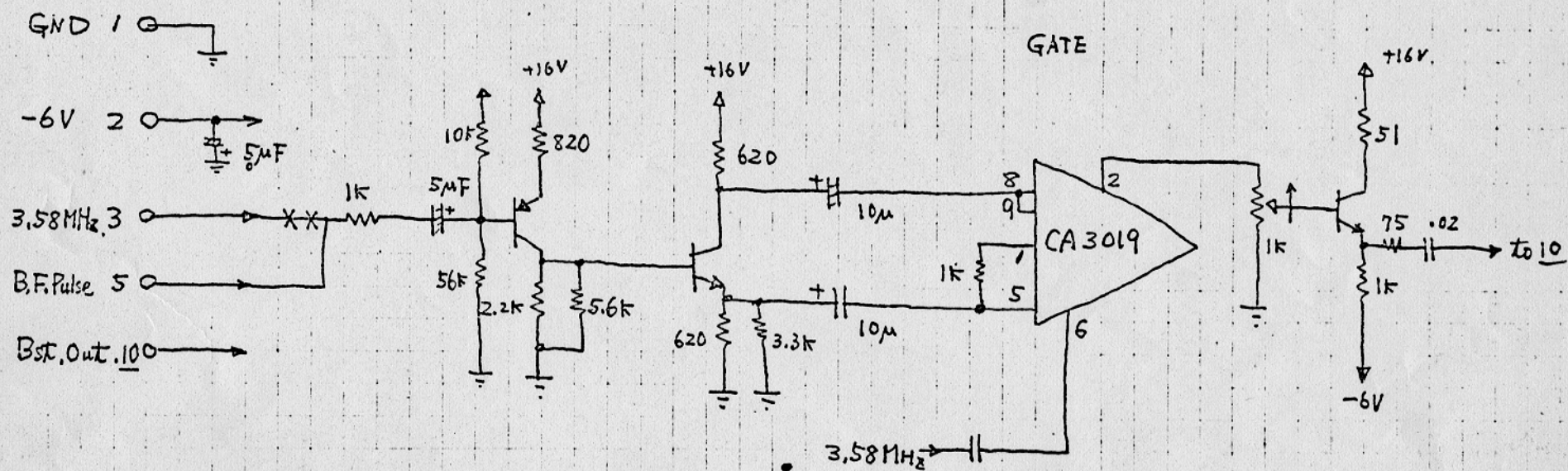
Phase CTL.

CONVERTOR Diagram

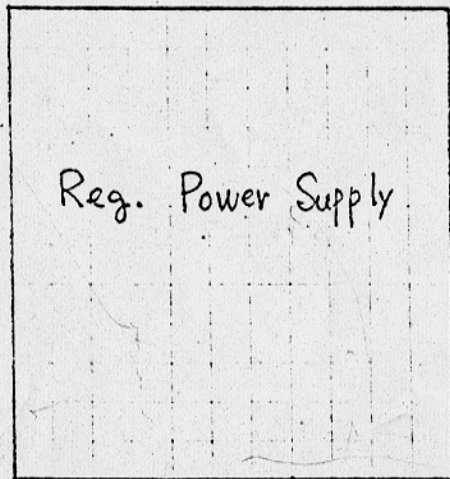


Burst Generator





Burst Generator

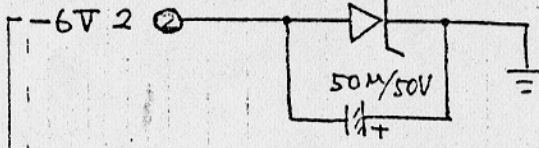


117V IN.

21V OUT

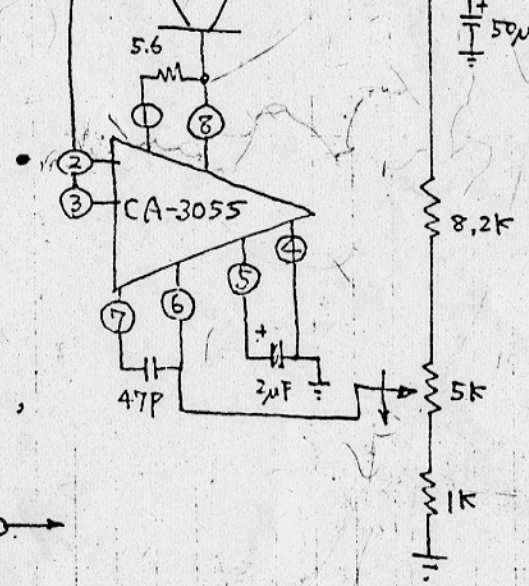
GND 1

6V 10W ZENER DIODE.



+15V 12

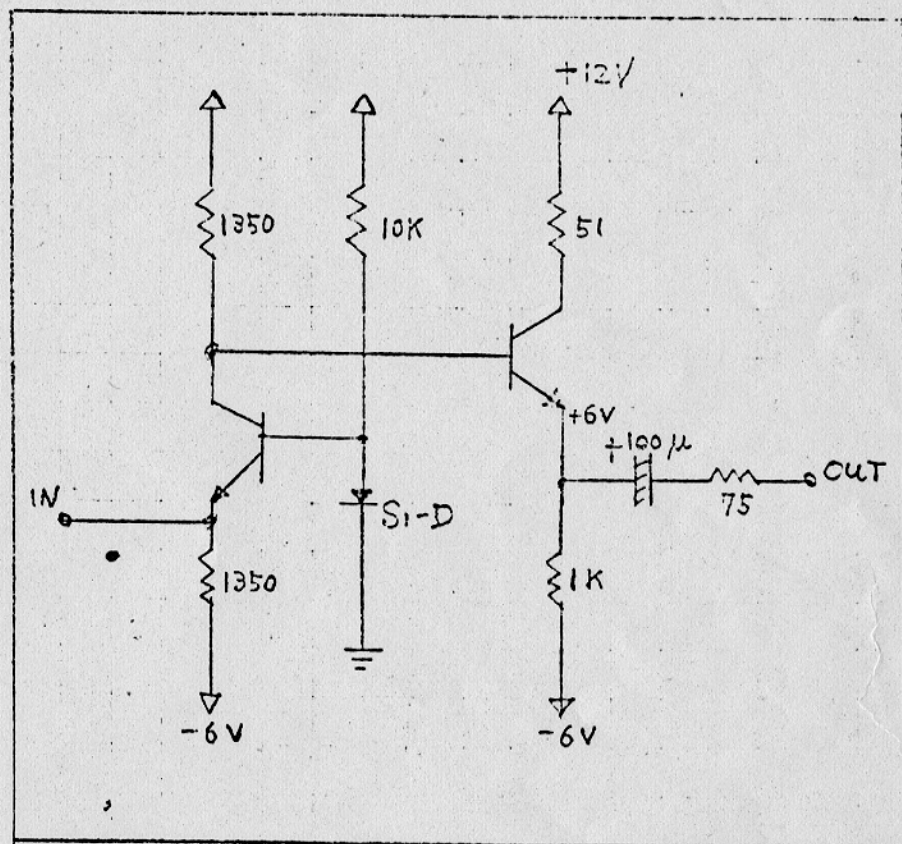
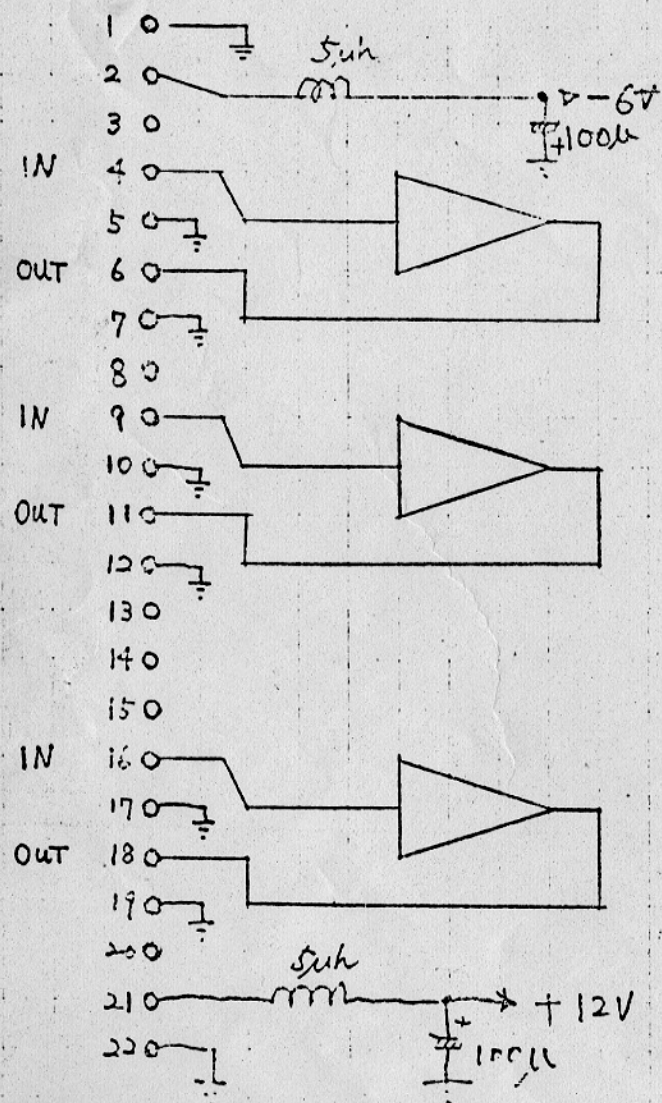
TO PIN 22.



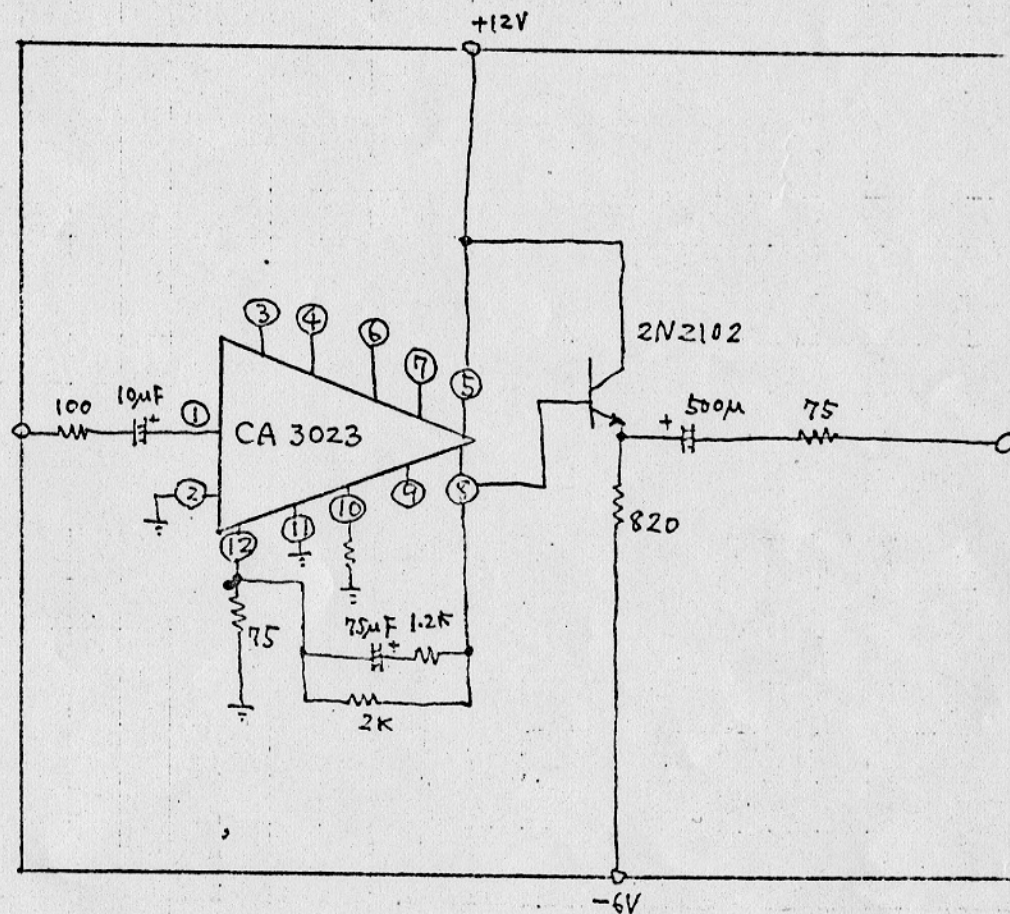
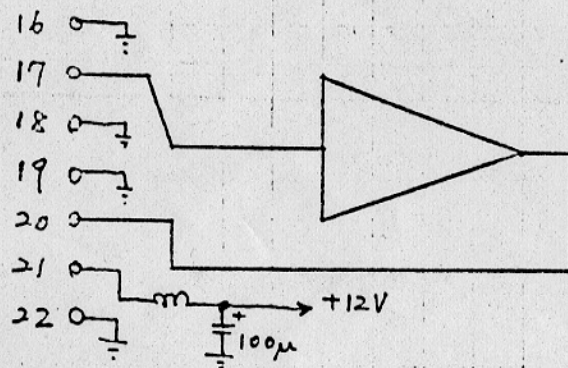
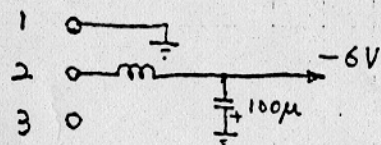
+12V 21

GND 22

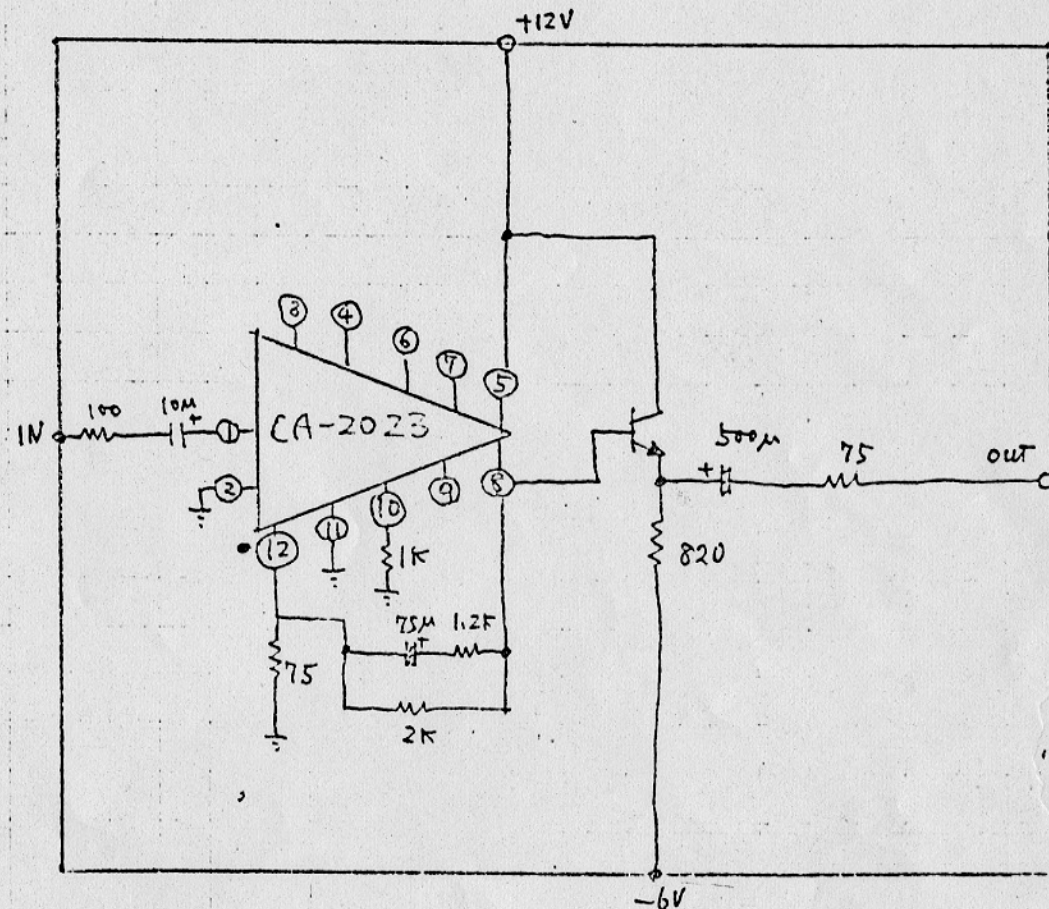
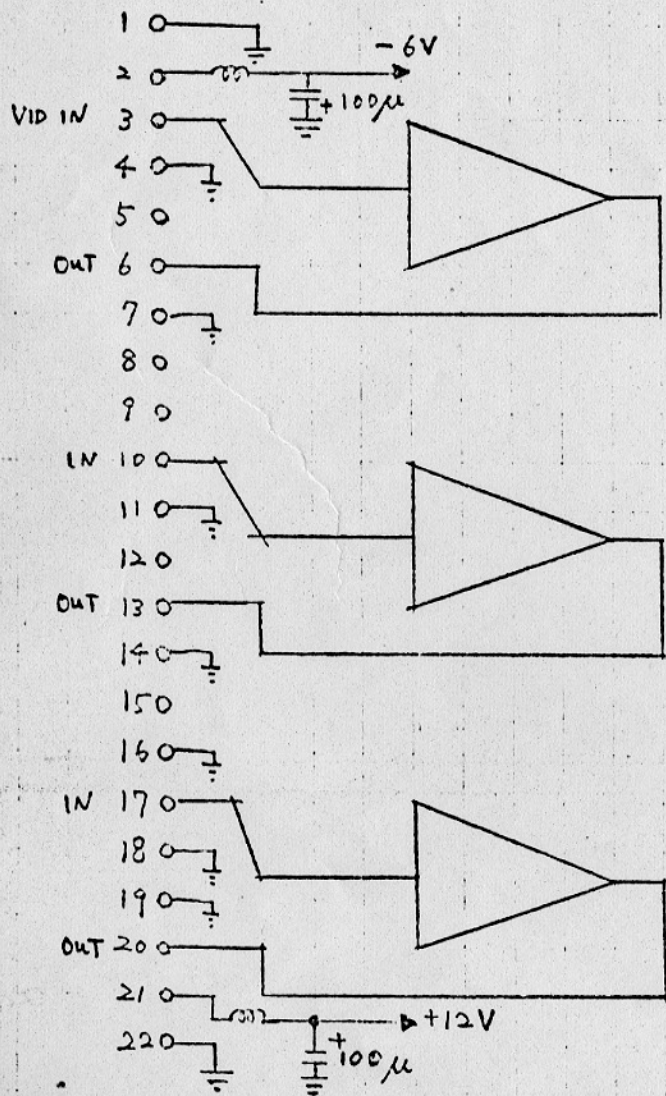
Power Supply



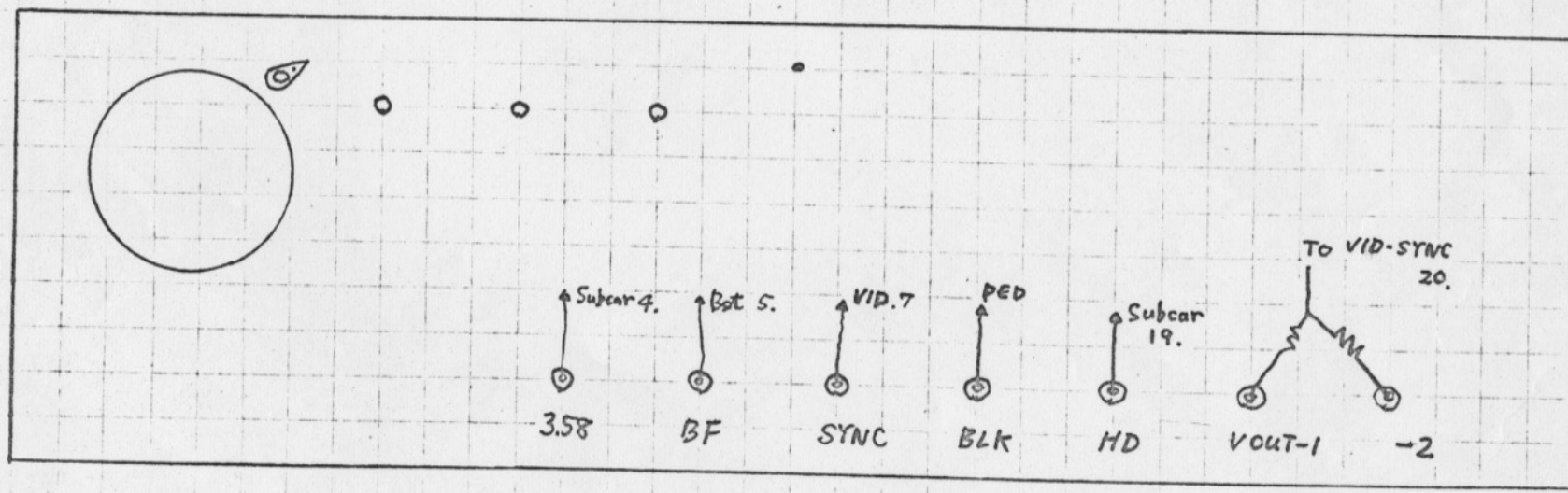
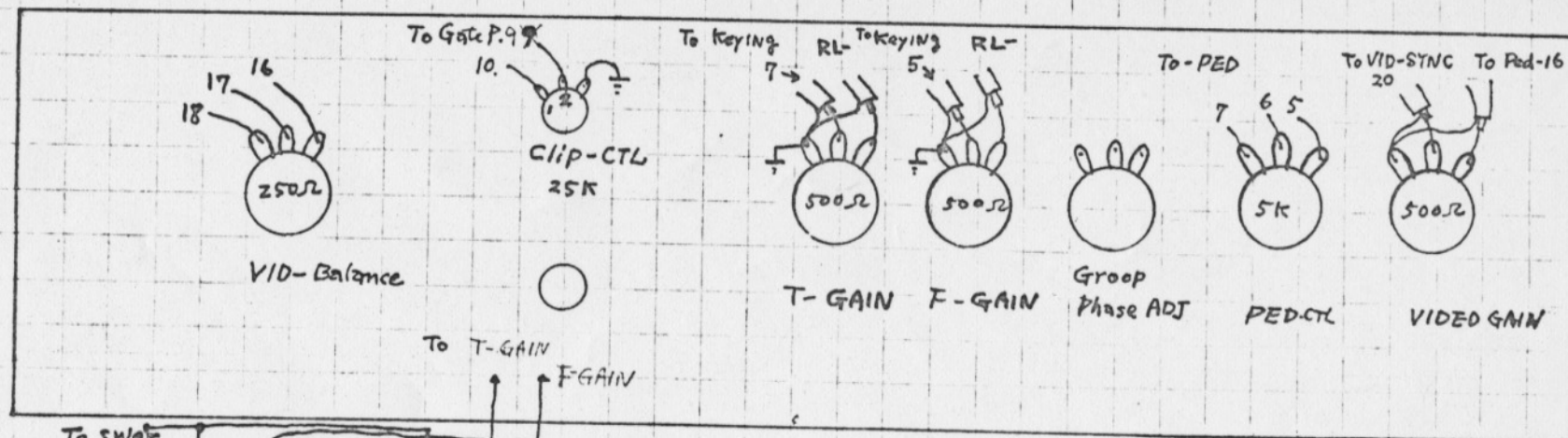
Mixing Amp

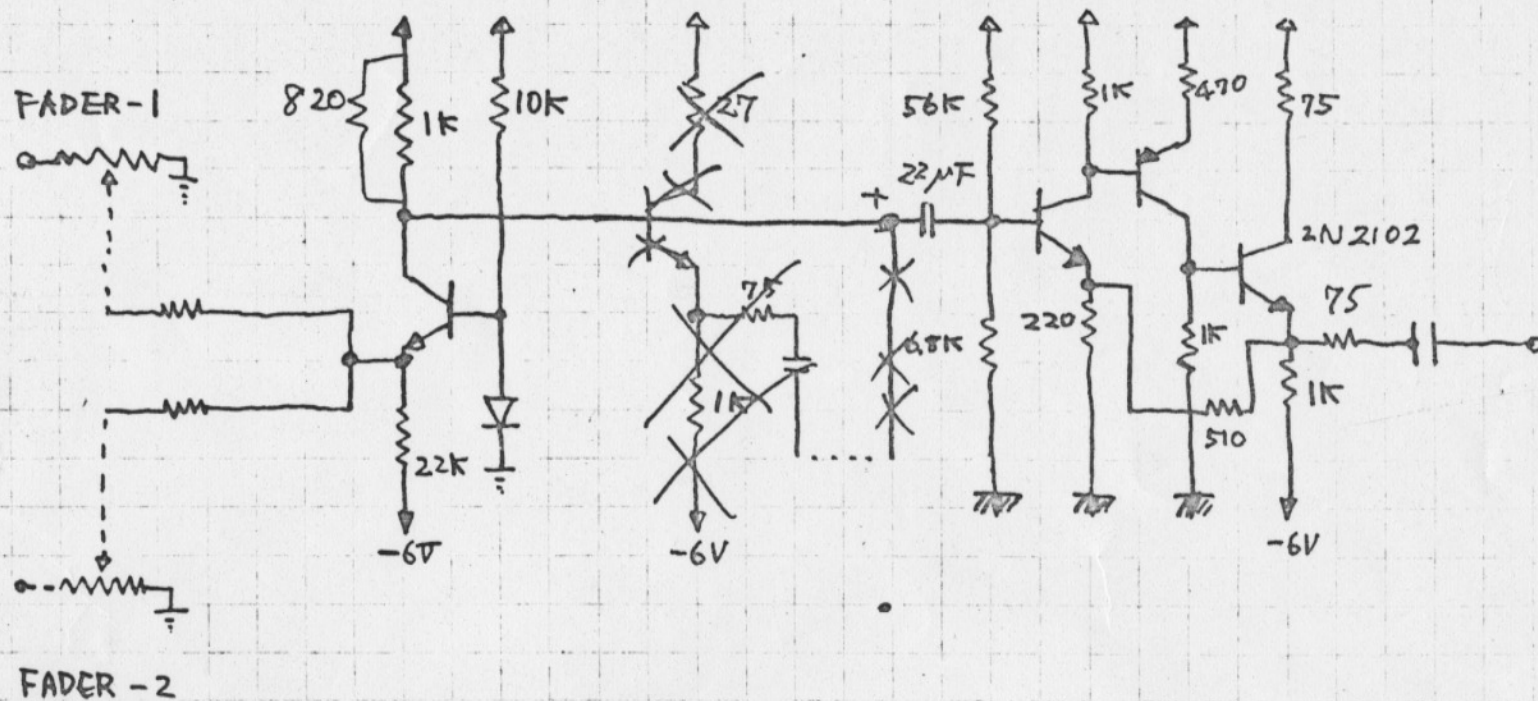


Amp.



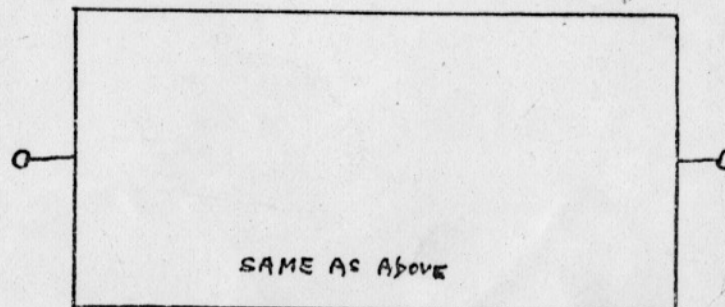
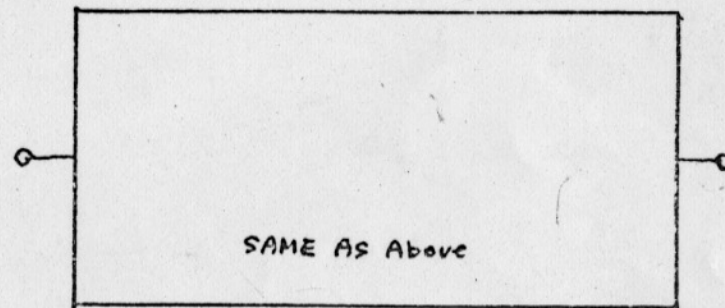
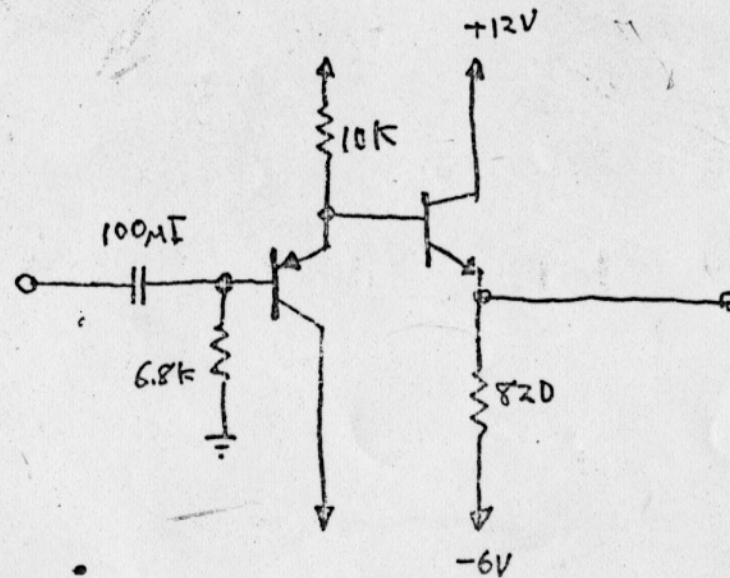
Amp.





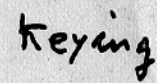
PNP ... 2N4402 or Equivalent
 NPN ... 2N4400 " "

MIXER - FADER OUTPUT
 AMP

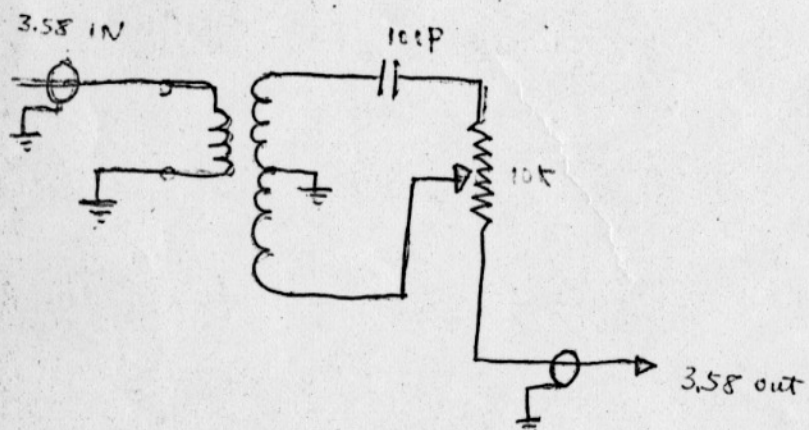
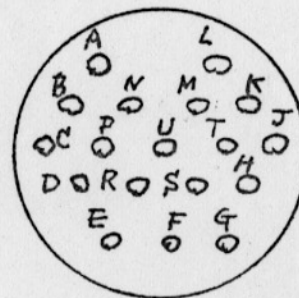


SWITCHER INPUT
 LITTER
 Follower

CA-3054

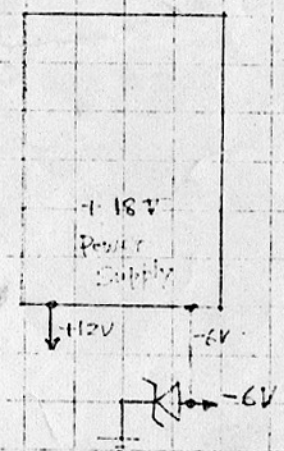
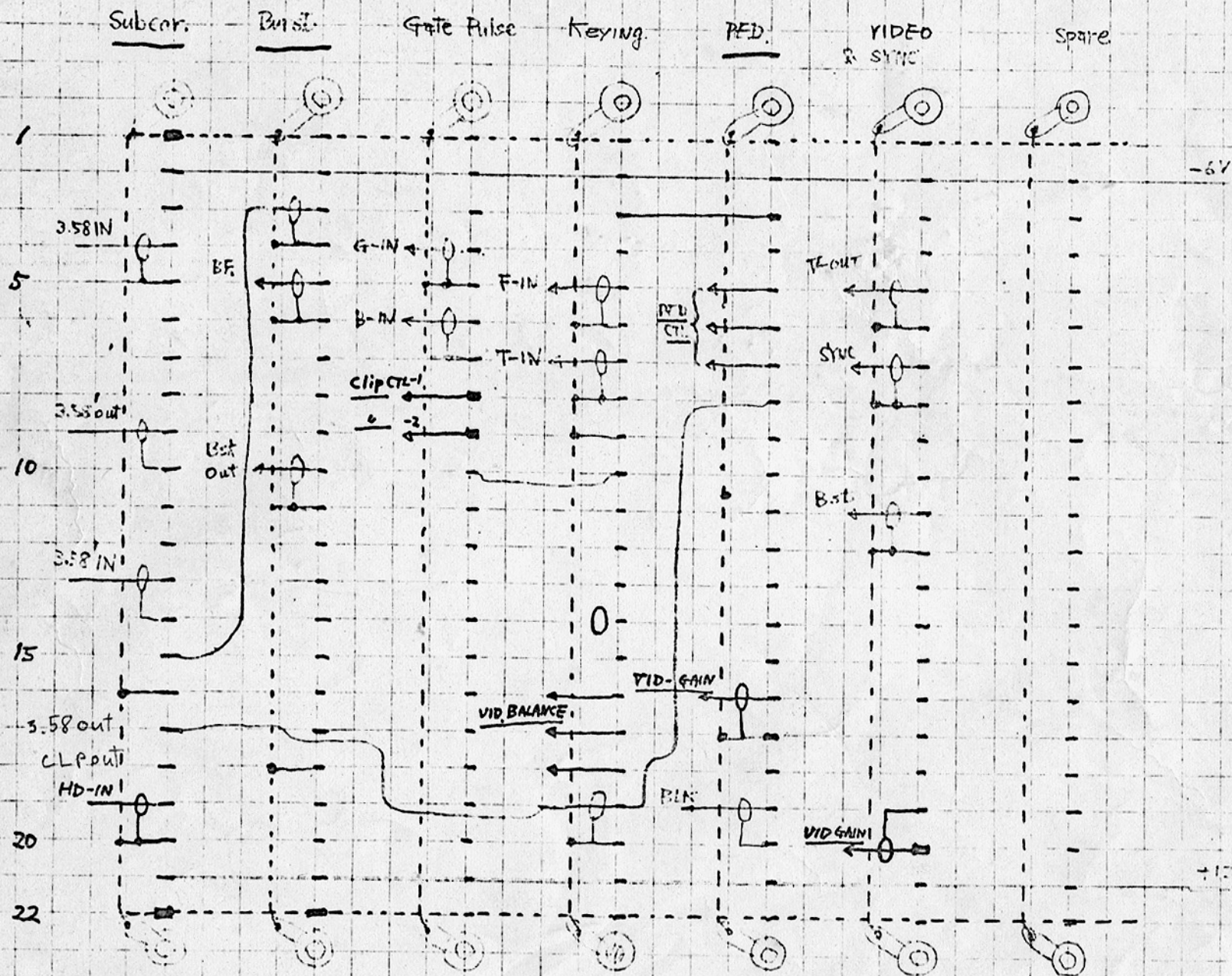


A +12V
 B - 6V
 P GND
 C Rout
 E 60K SEL vid
 H F out
 L T out
 F GND
 K "

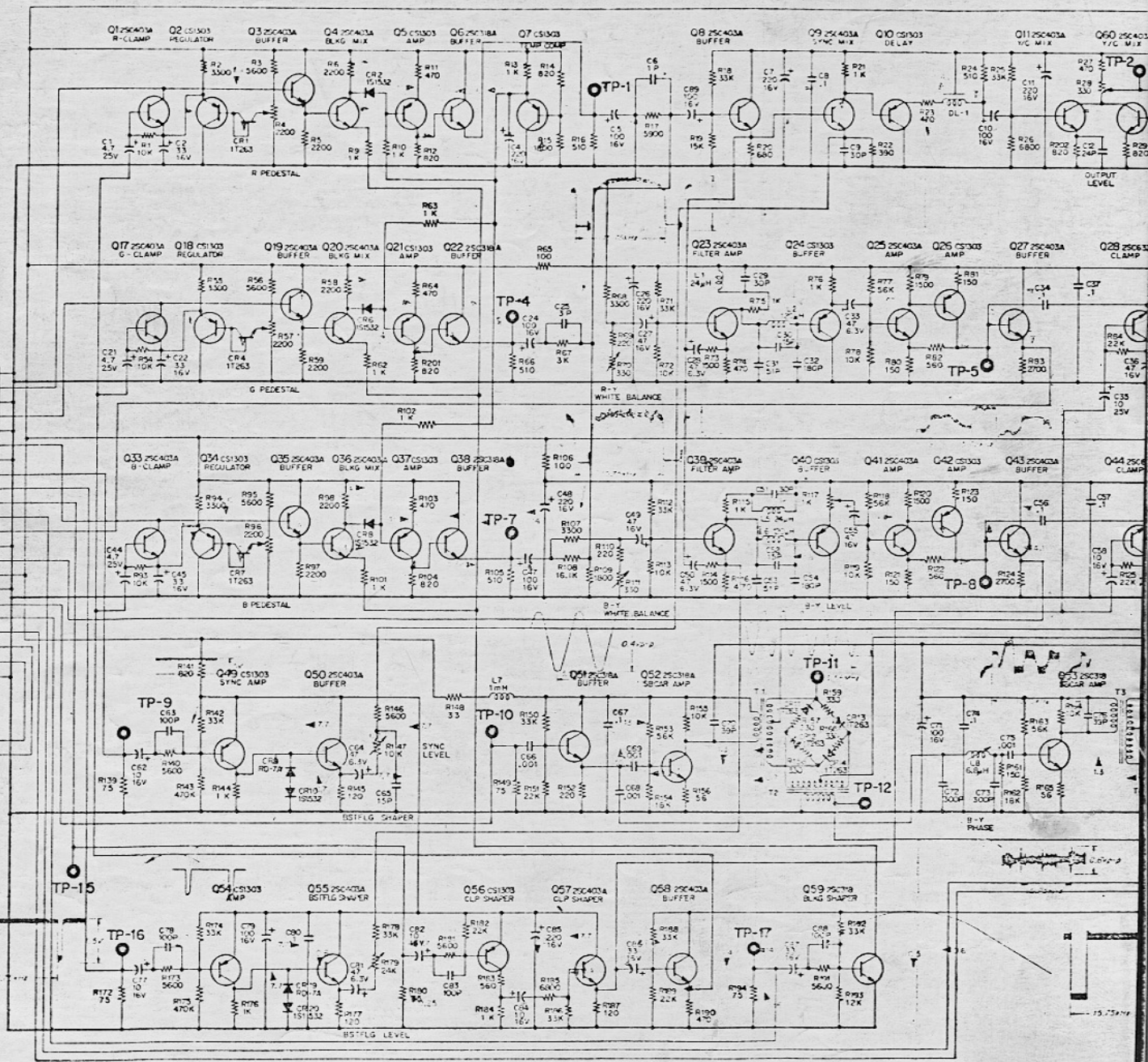


Phase CTL.

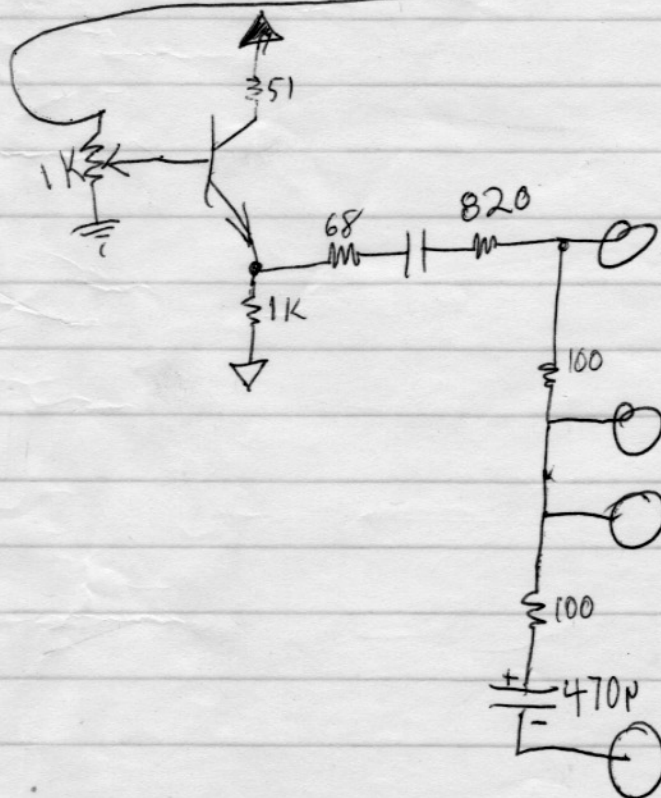
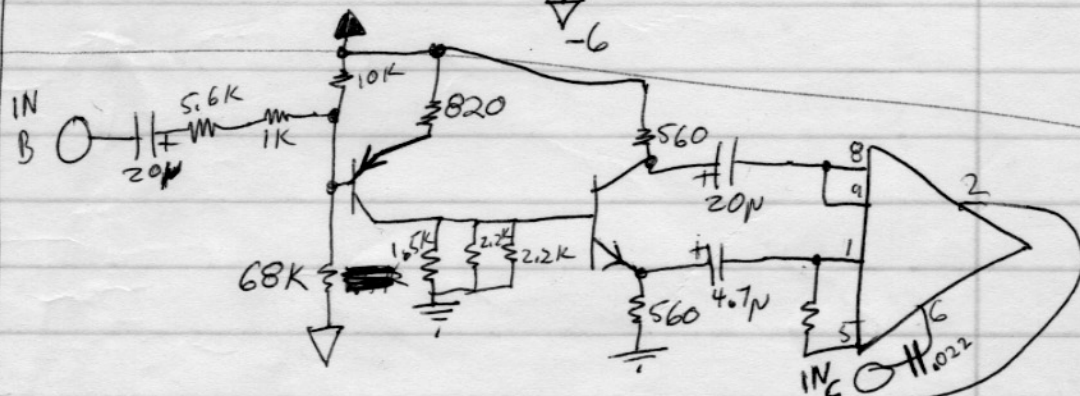
CONVERTOR Diagram



- CN 10
- A GROUND
 - B R IN
 - C GROUND
 - D G IN
 - E GROUND
 - F B IN
 - G GROUND
 - H SYNC IN
 - I B*FLG IN
 - J CLP IN
 - K MOD C OUT
 - L R-Y OUT
 - M R-Y OUT
 - N GROUND
 - O B-Y OUT
 - P B-Y OUT
 - Q GROUND
 - R B*FLG IN
 - S B*FLG IN
 - T GROUND
 - U B*FLG IN
 - V B*FLG IN
 - W REF CHROMA
 - X CMPST VIDEO 2
 - Y CMPST VIDEO 1
 - Z GROUND



Board ~~1~~ 5



-6

INA

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out A

$$\frac{1}{2}$$

11

11

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VB

Mc-

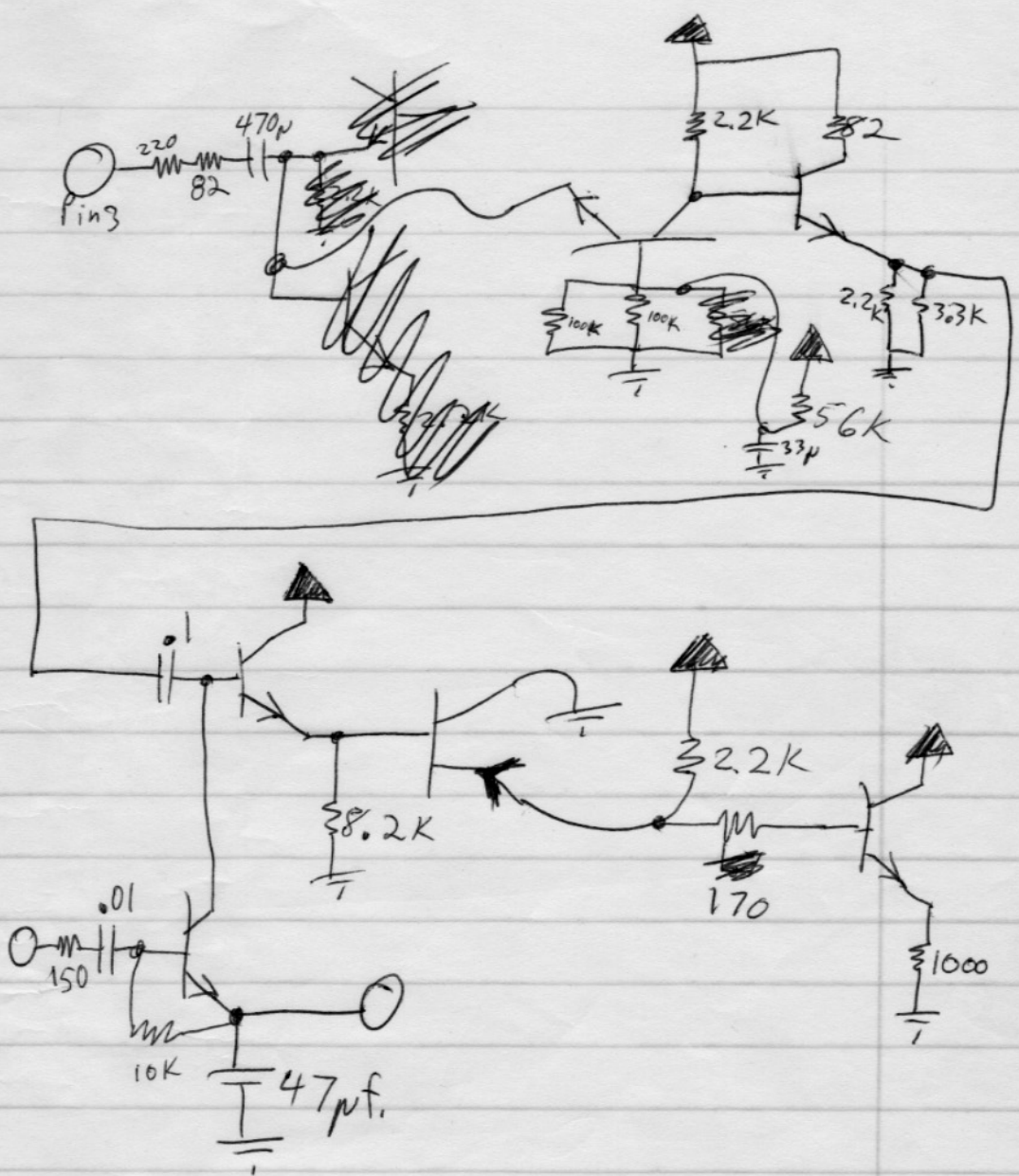
-12

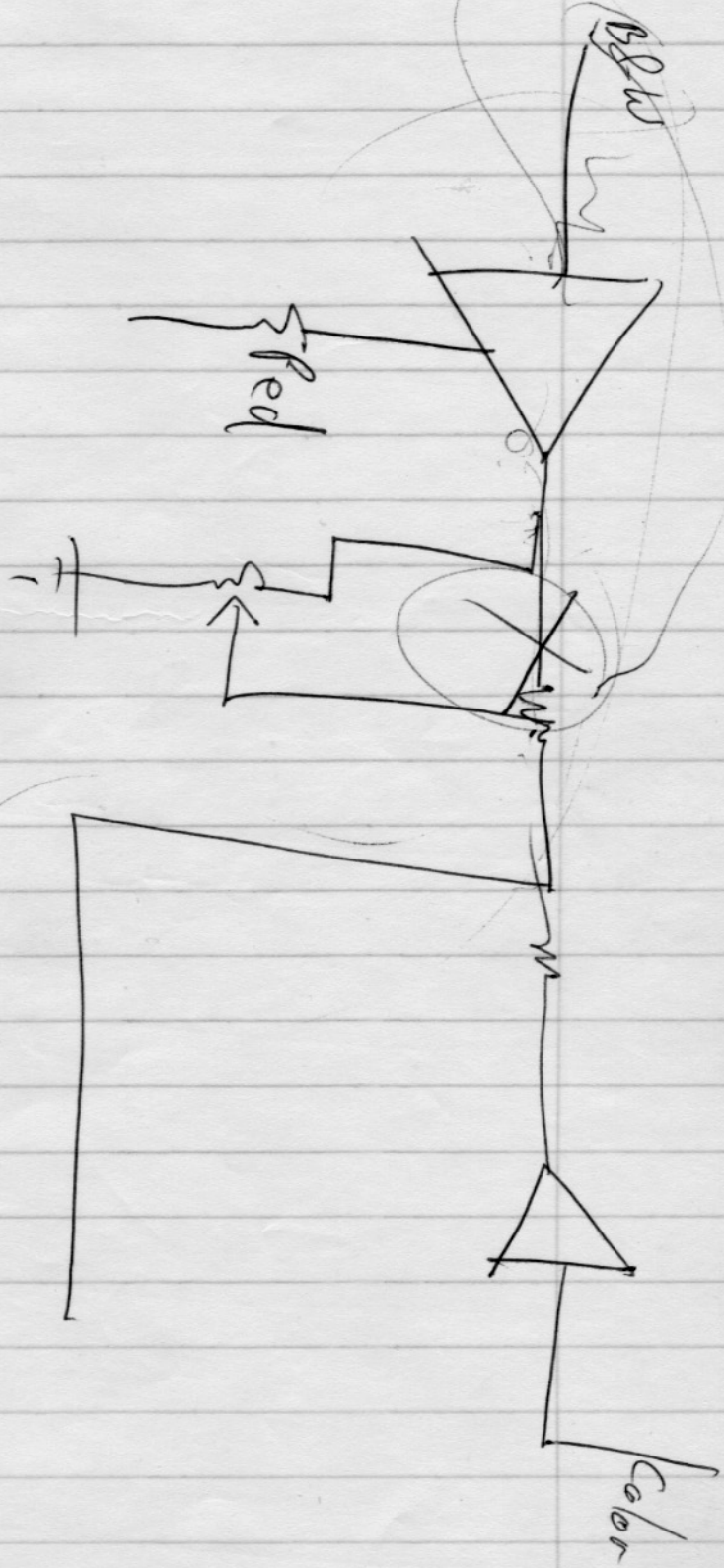
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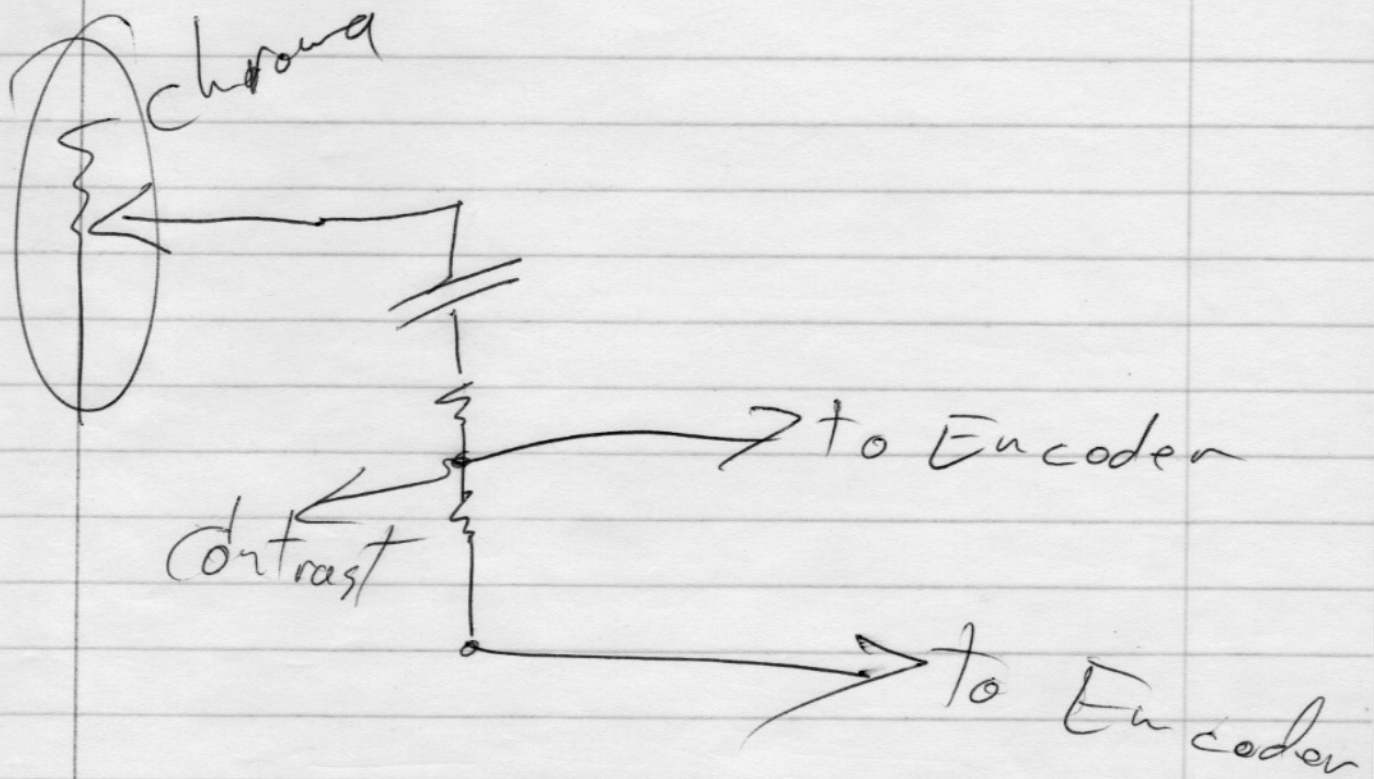
ABE #2

Board #3

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22







Right Adjust

Bst. Flag Level

Bst. Flag Shape

Blue Ped.

Green Ped.

Red Ped.

White Bal.

R-Y white Bal.

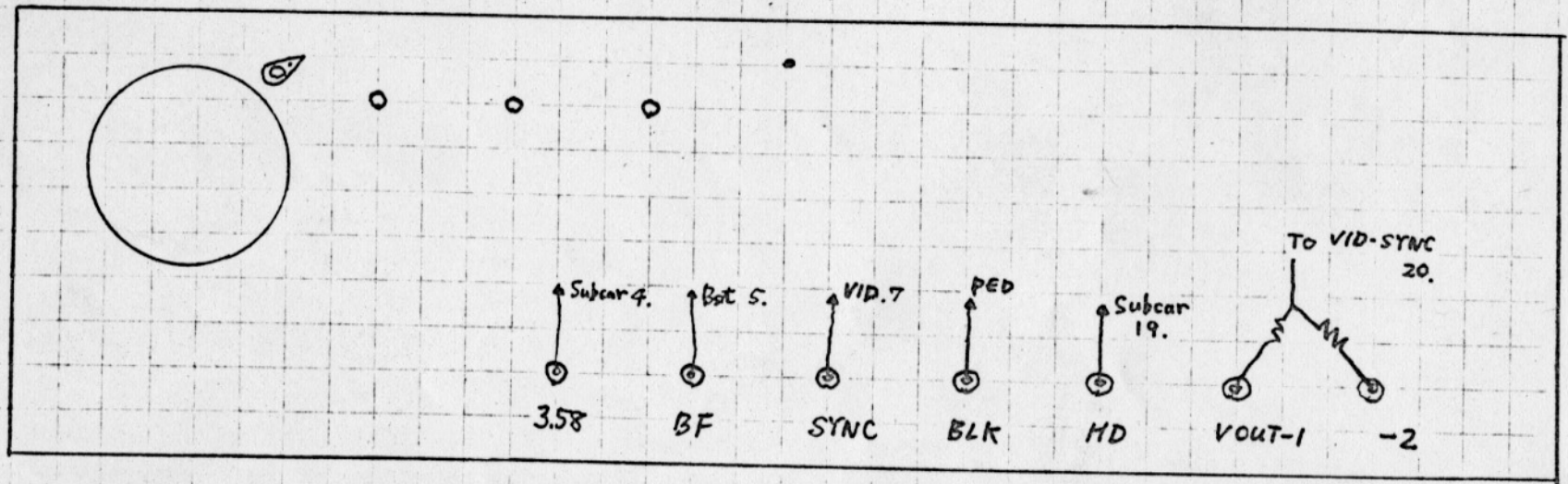
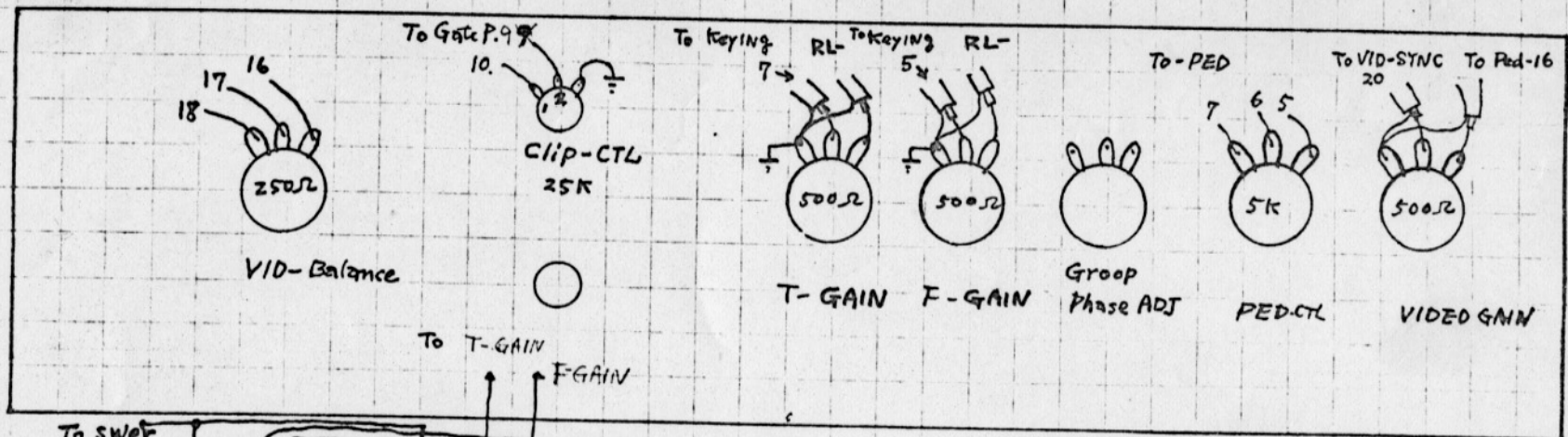
Chroma Level

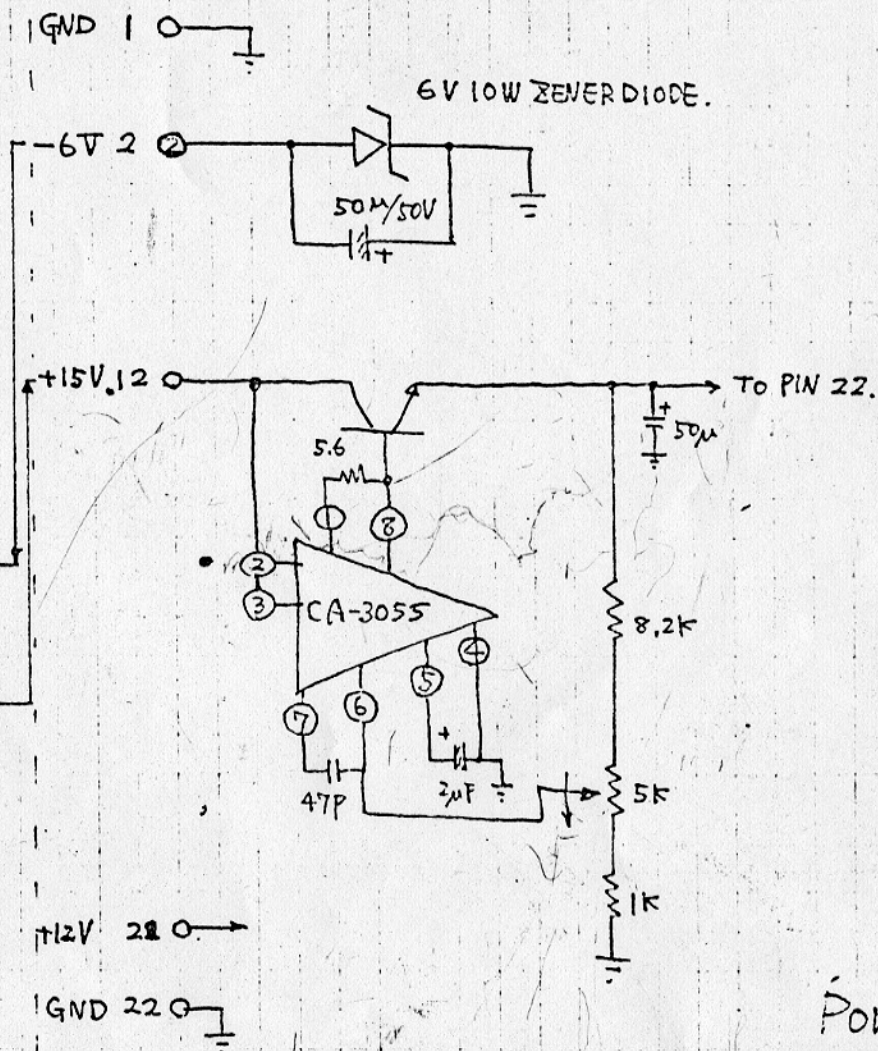
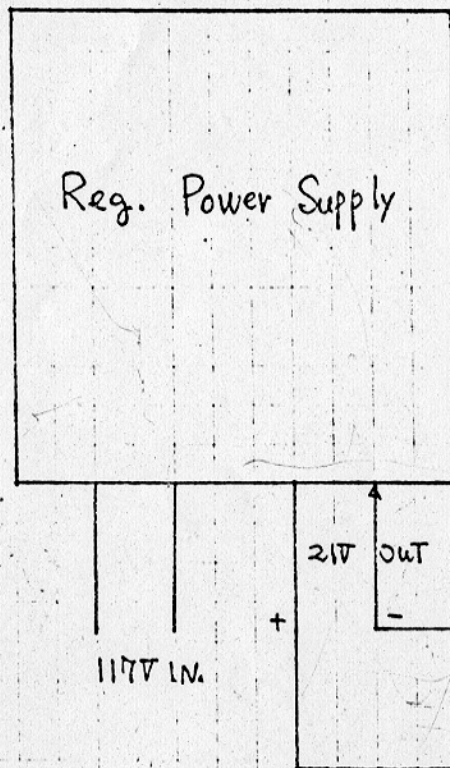
B-Y level

B-Y Carrier Bal.

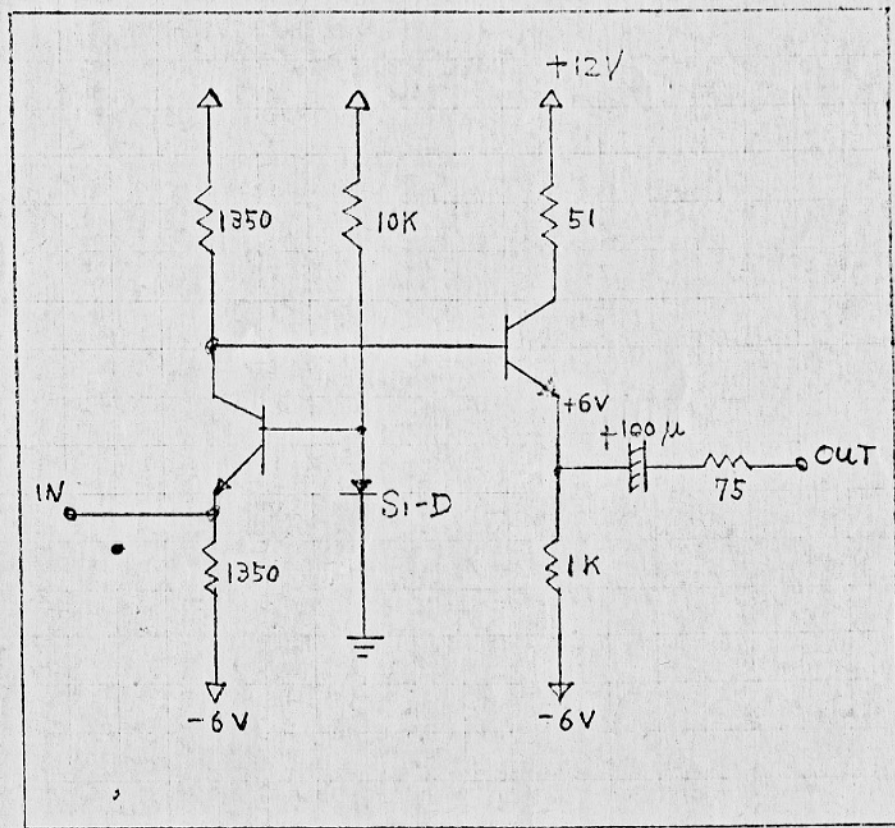
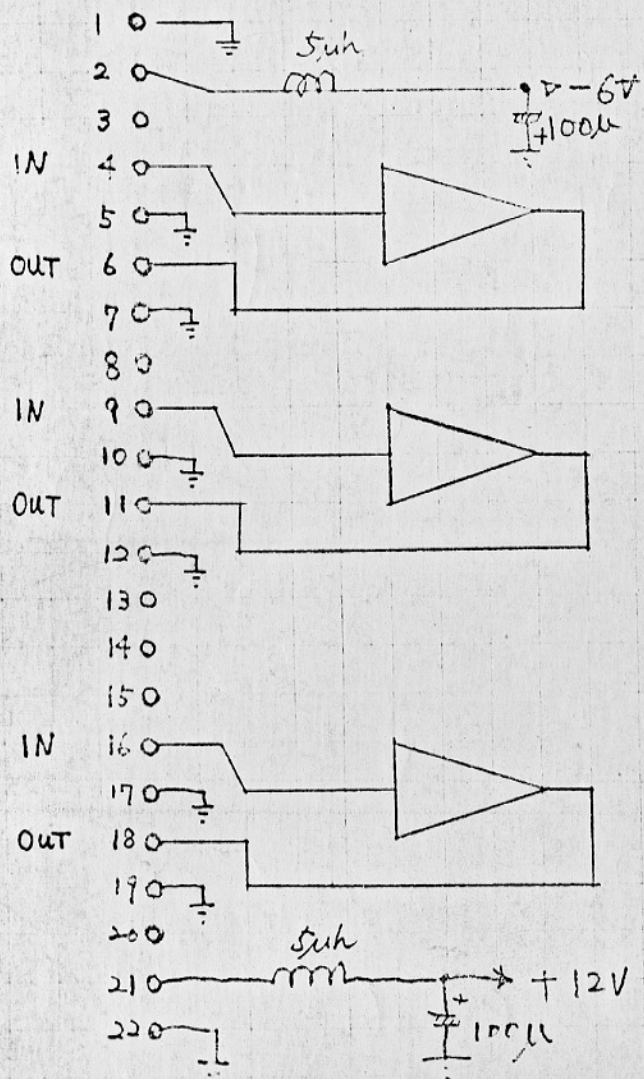
R-Y Carrier Bal.

output Level

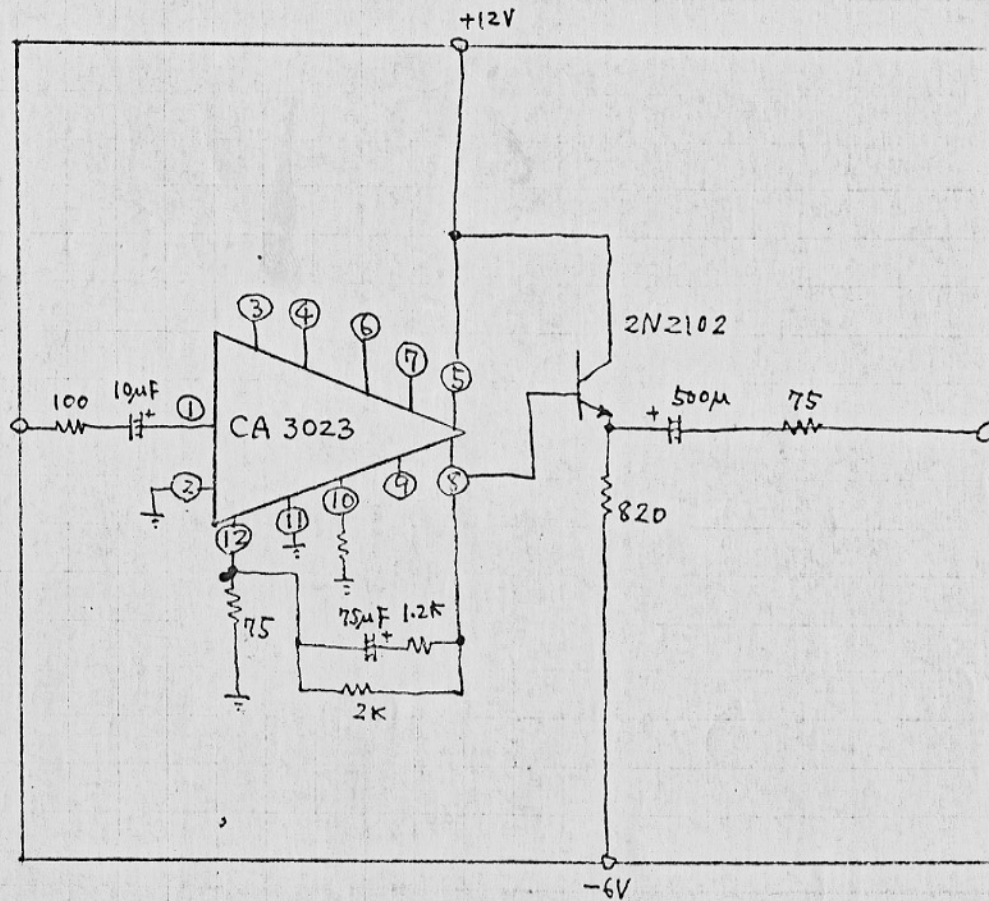
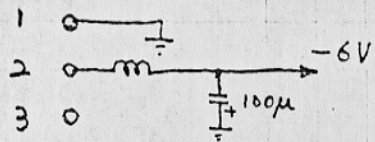




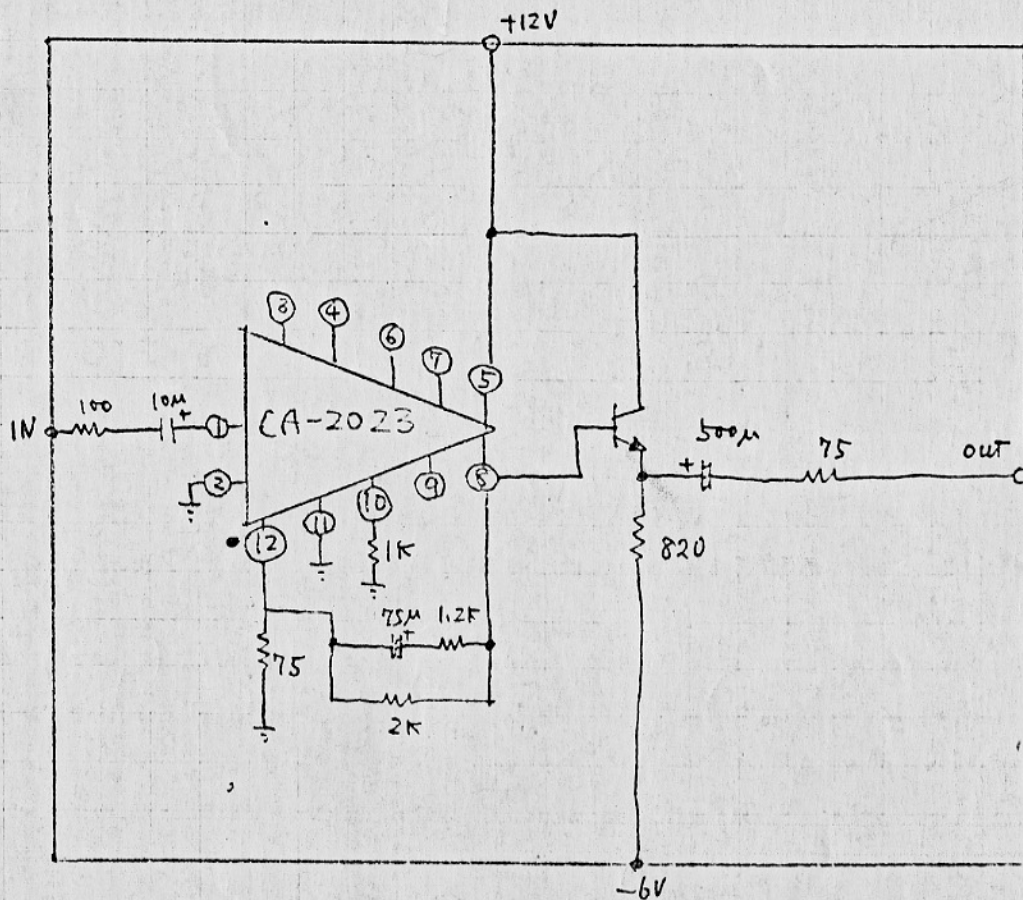
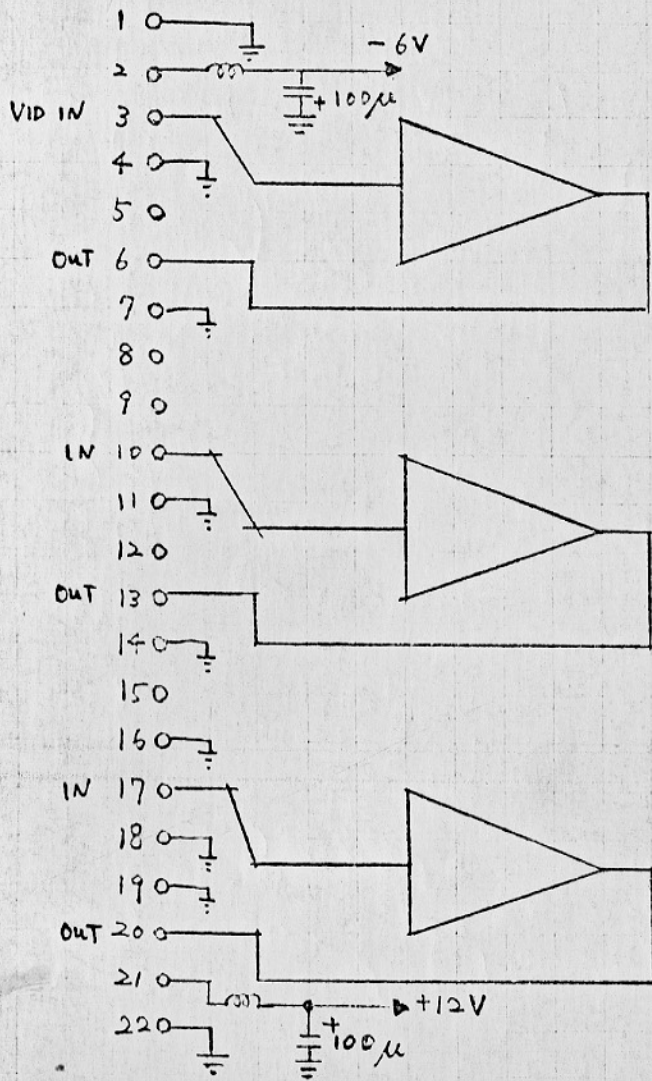
Power Supply



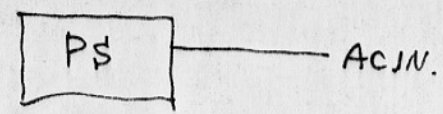
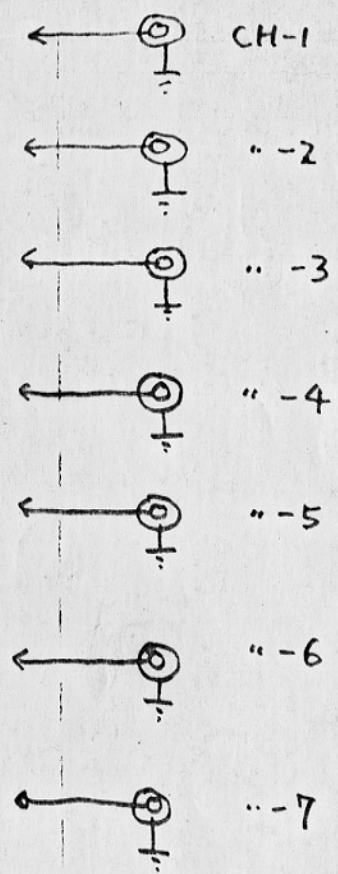
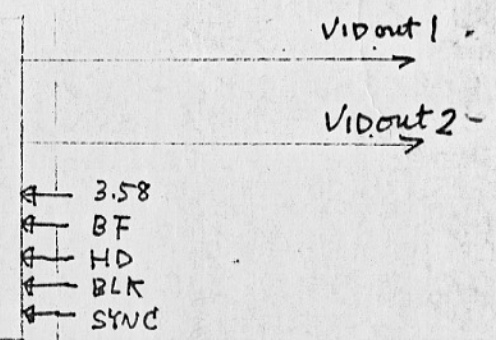
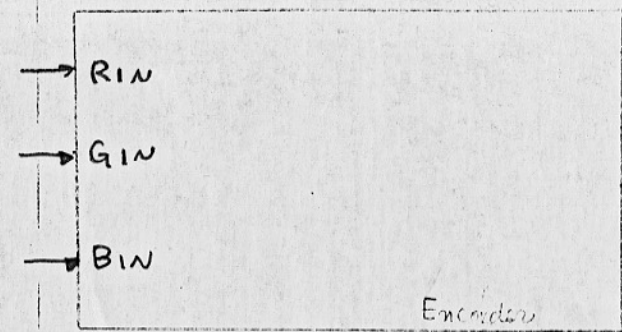
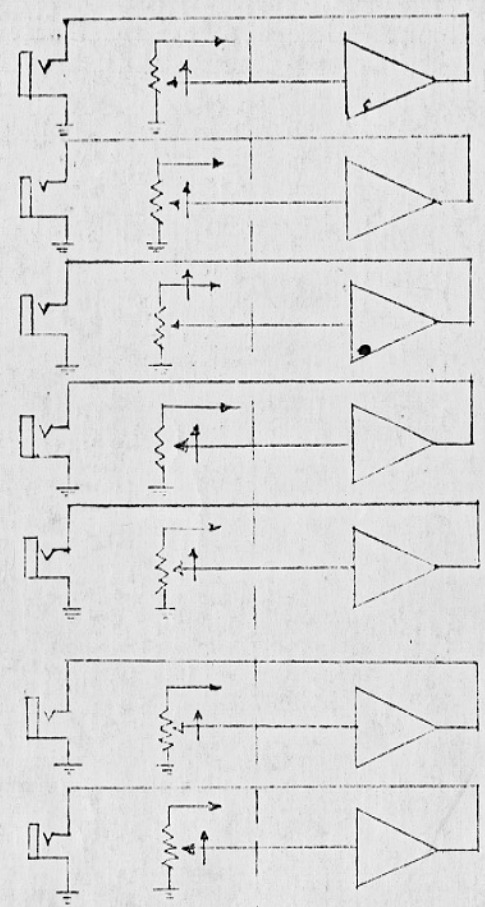
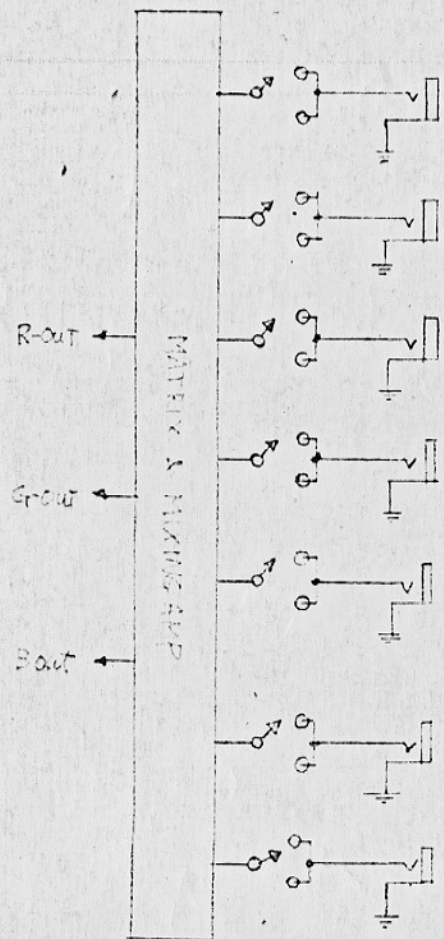
Mixing Amp

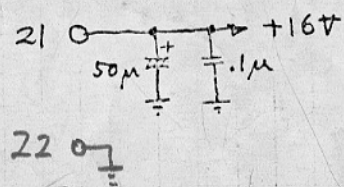
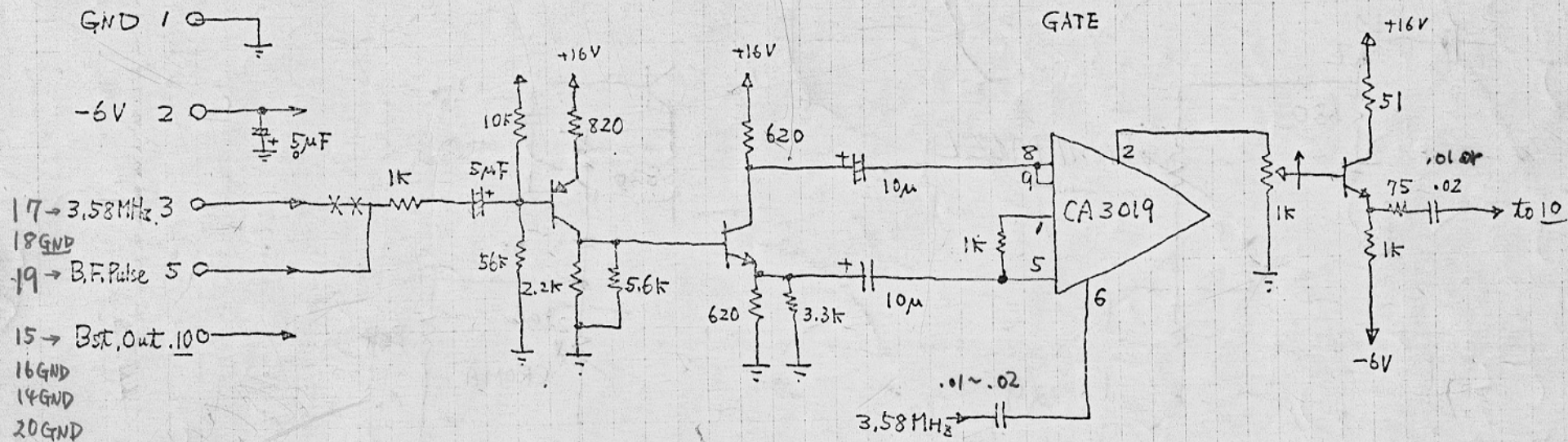


Amp.

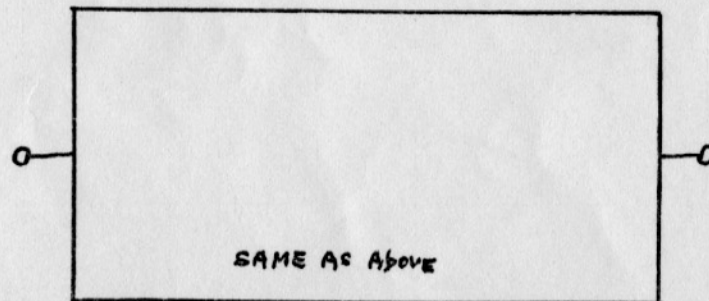
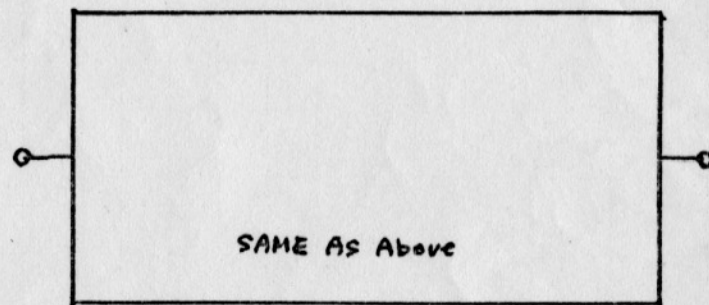
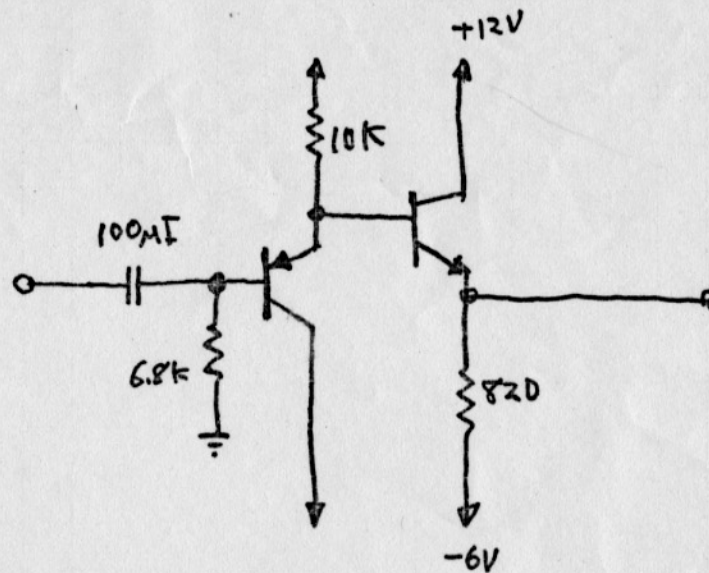


Amp.

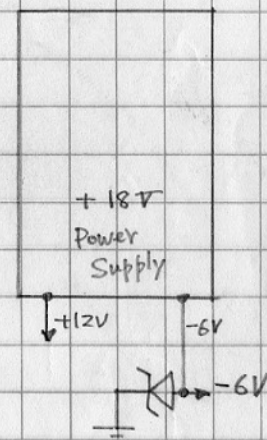
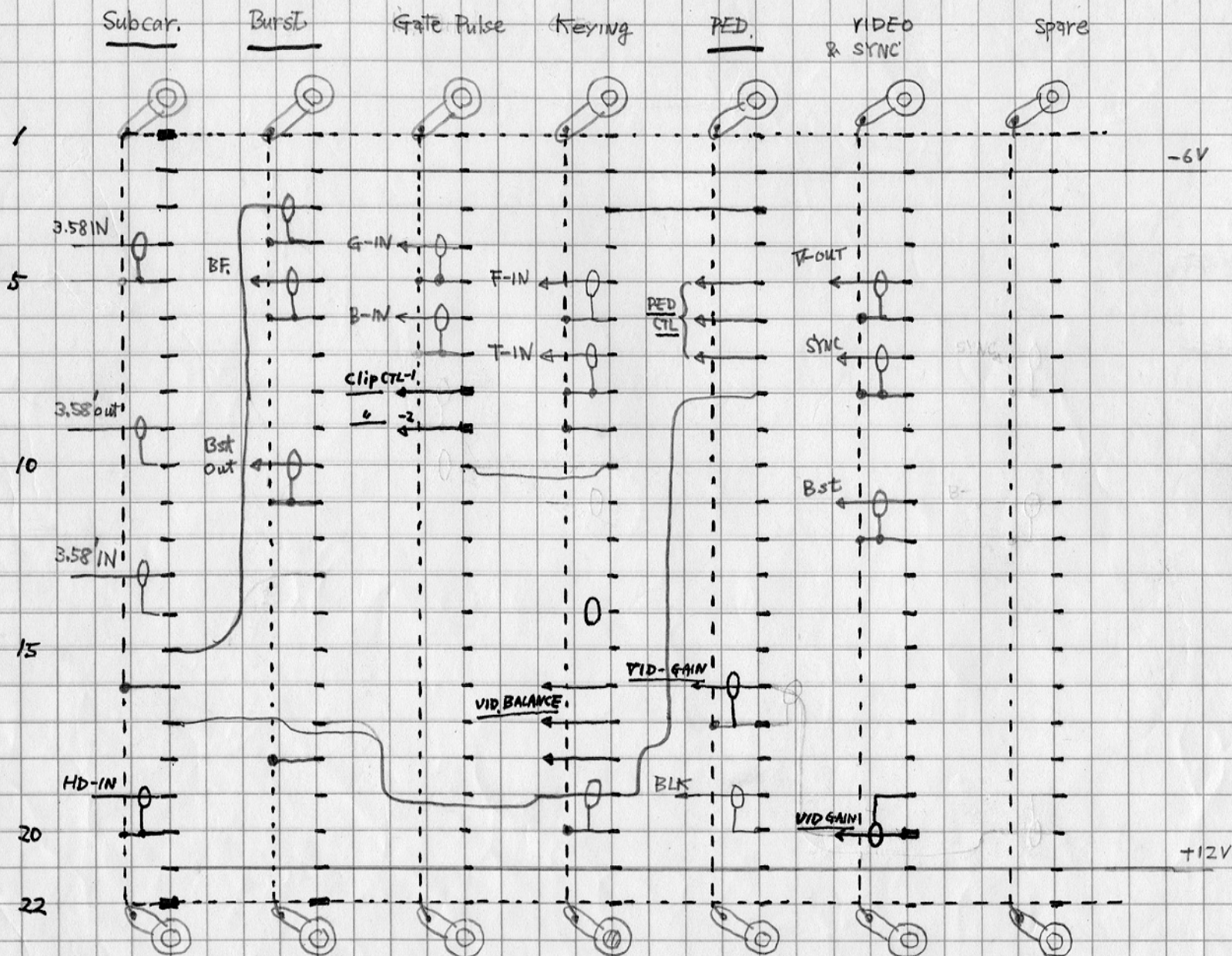




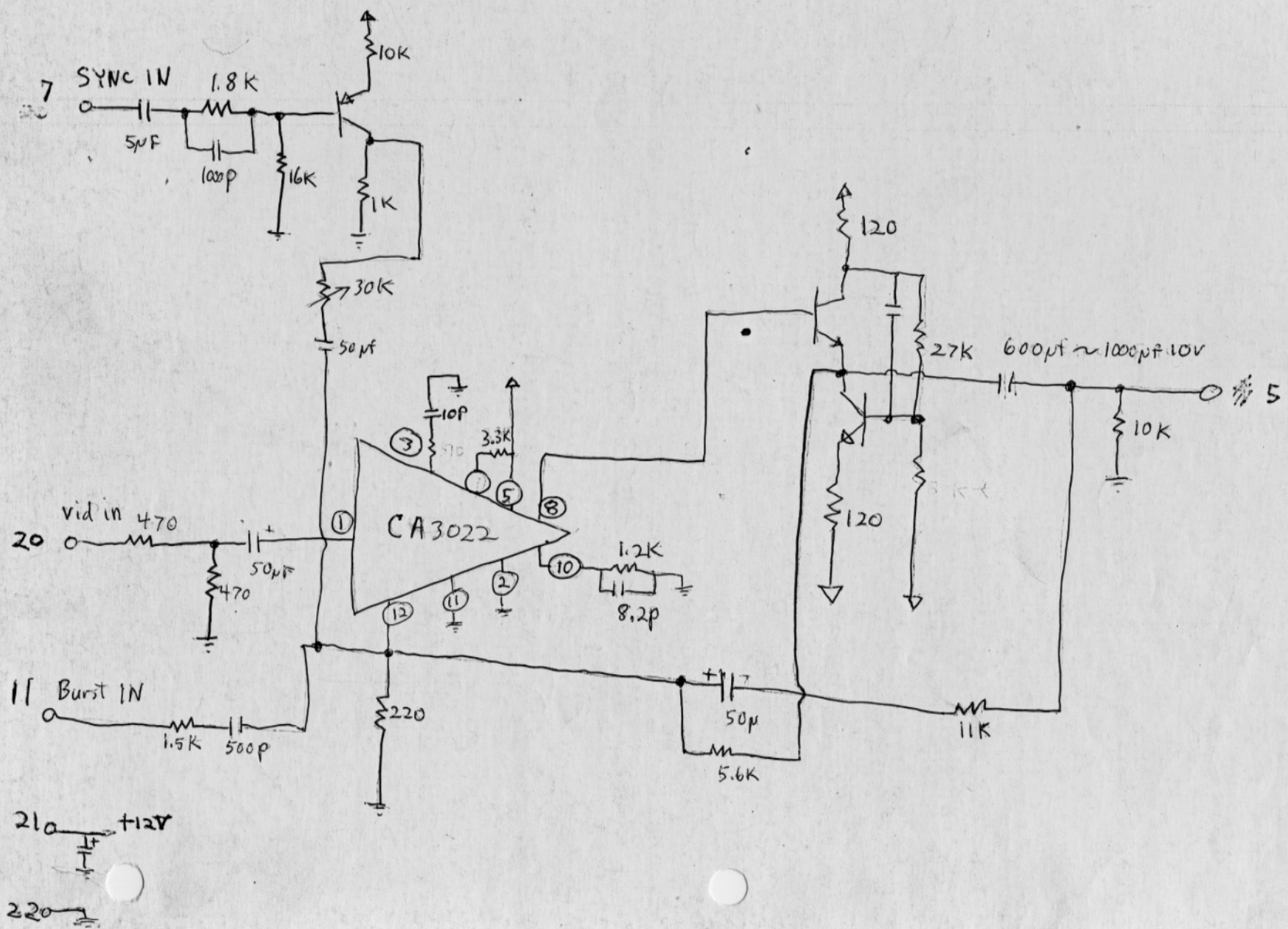
Burst Generator

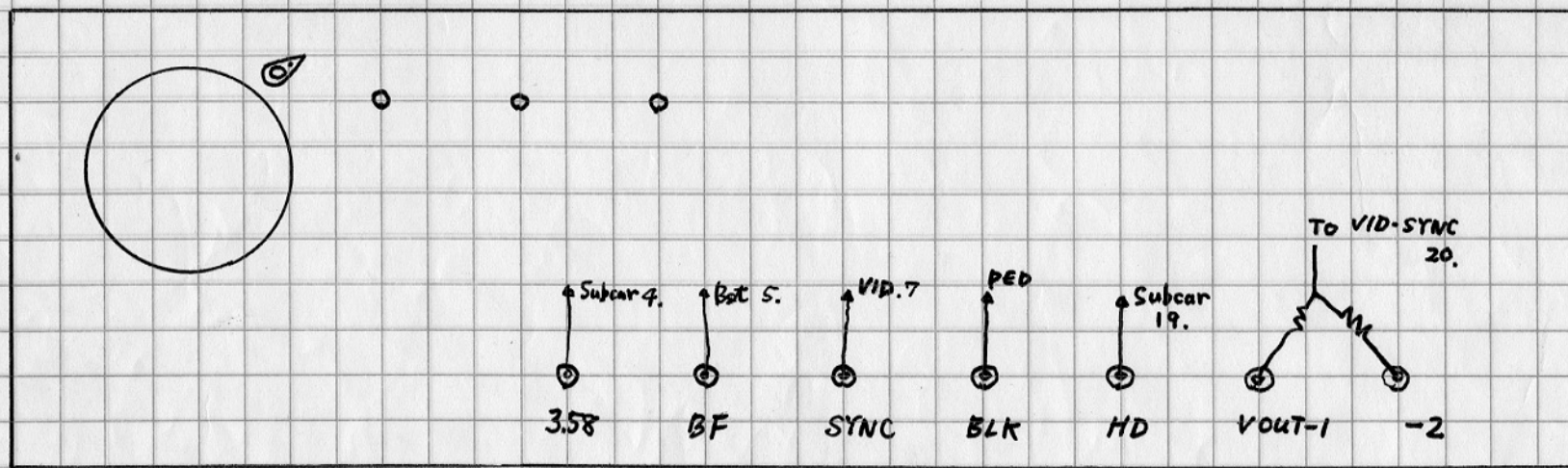
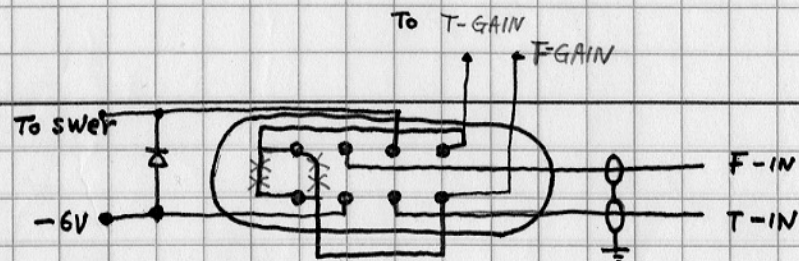
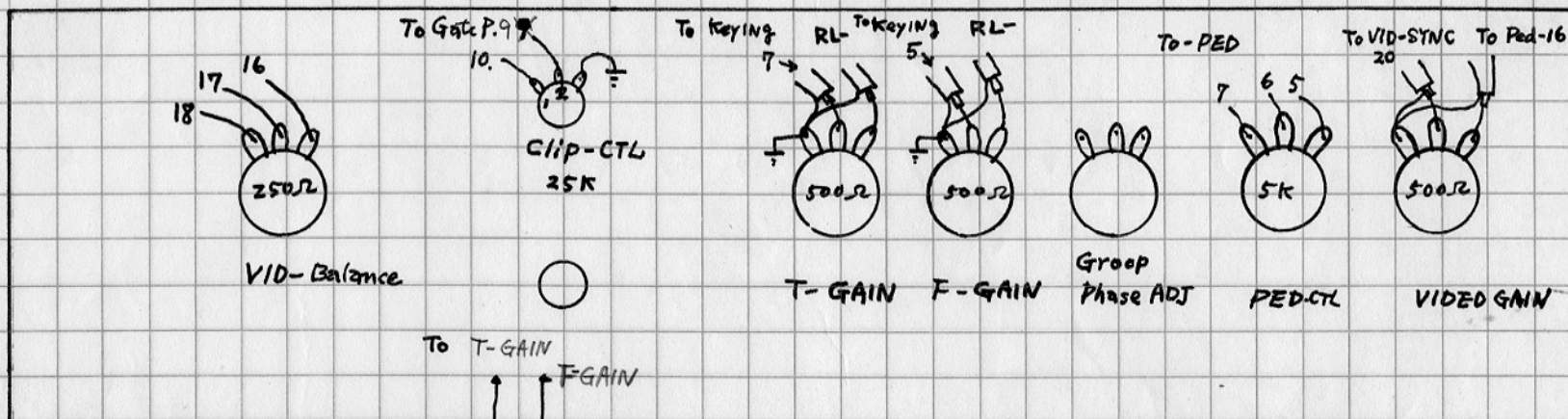


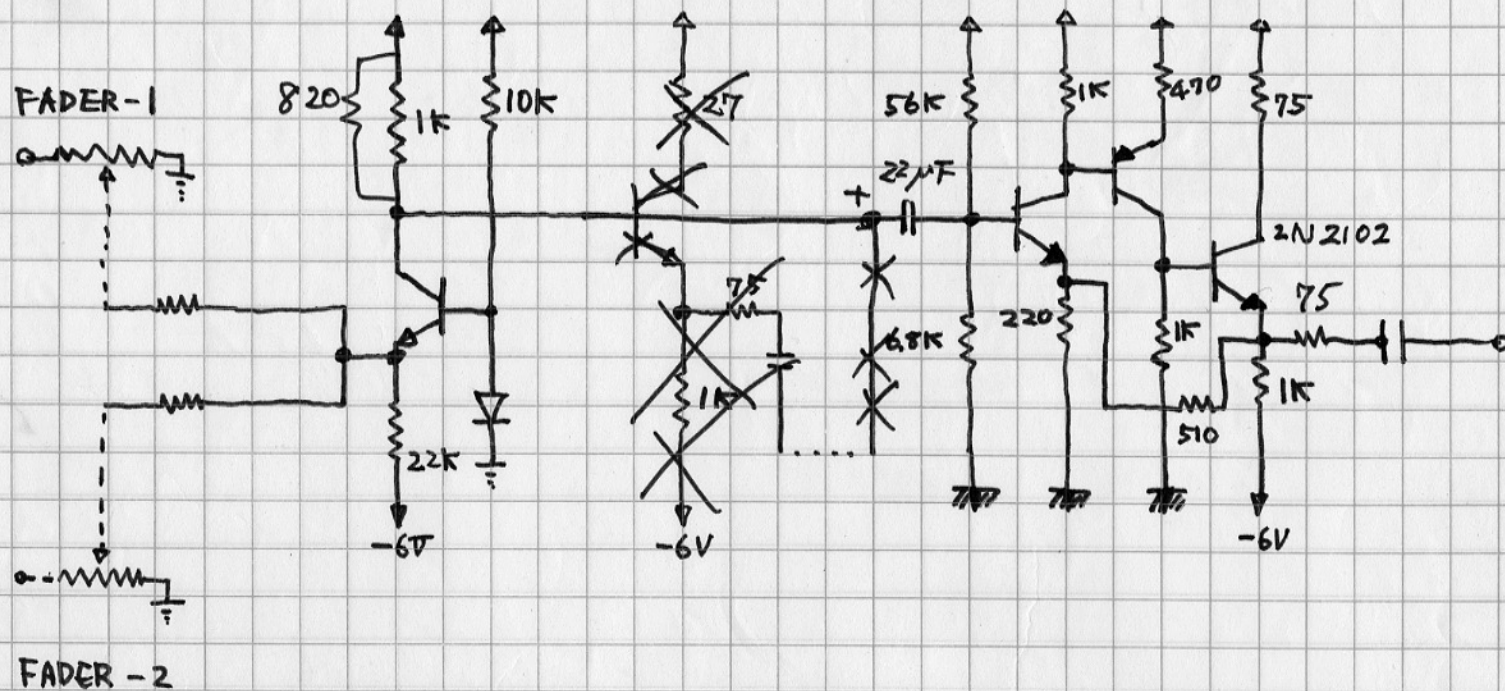
SWITCHER INPUT
 Emitter
 Follower



VIDEO CATHODE
FOLLOWER







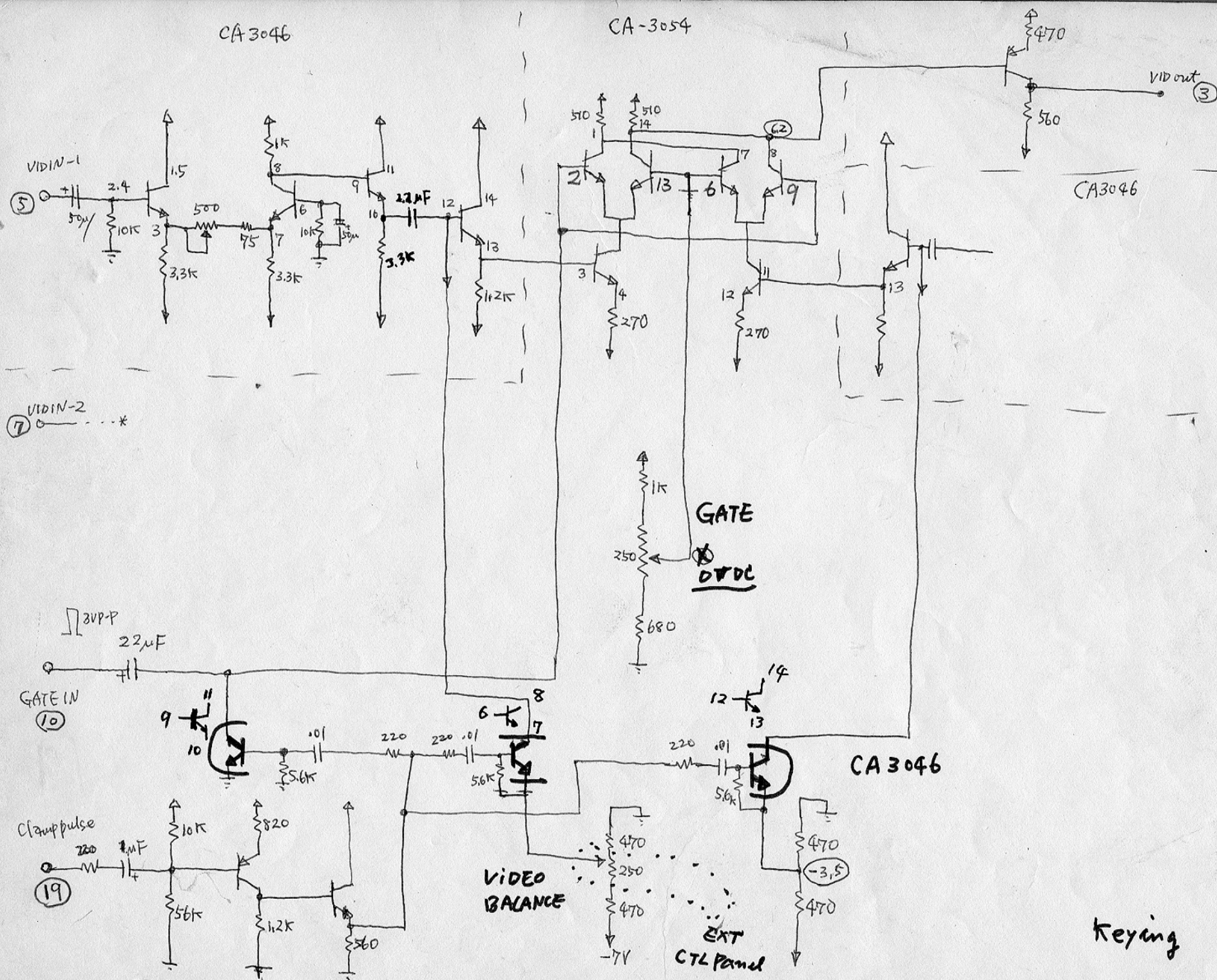
PNP ... 2N7402 or Equivalent

NPN ... 2N2102 ... "

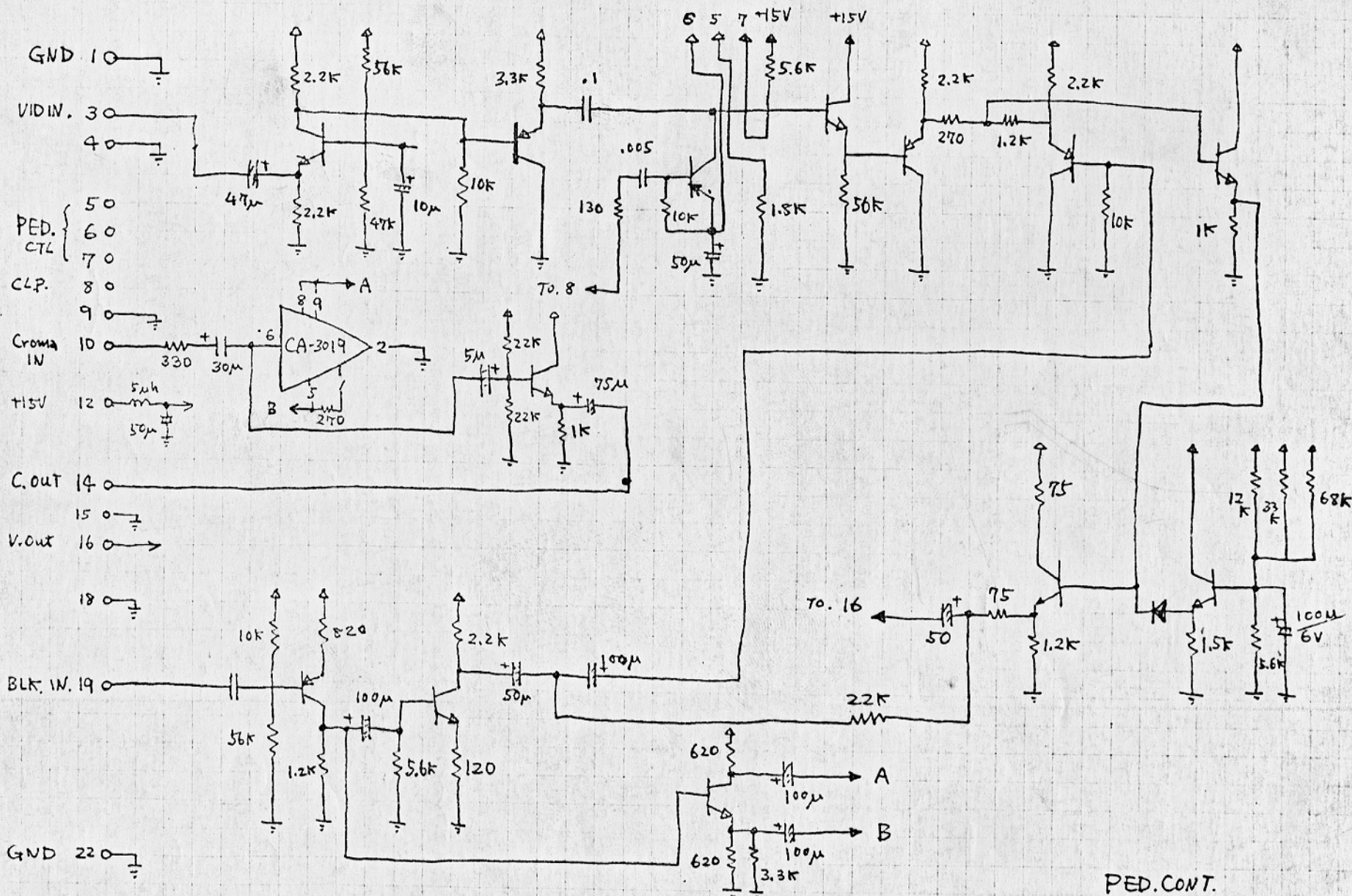
MIXER - FADER OUTPUT
AMP

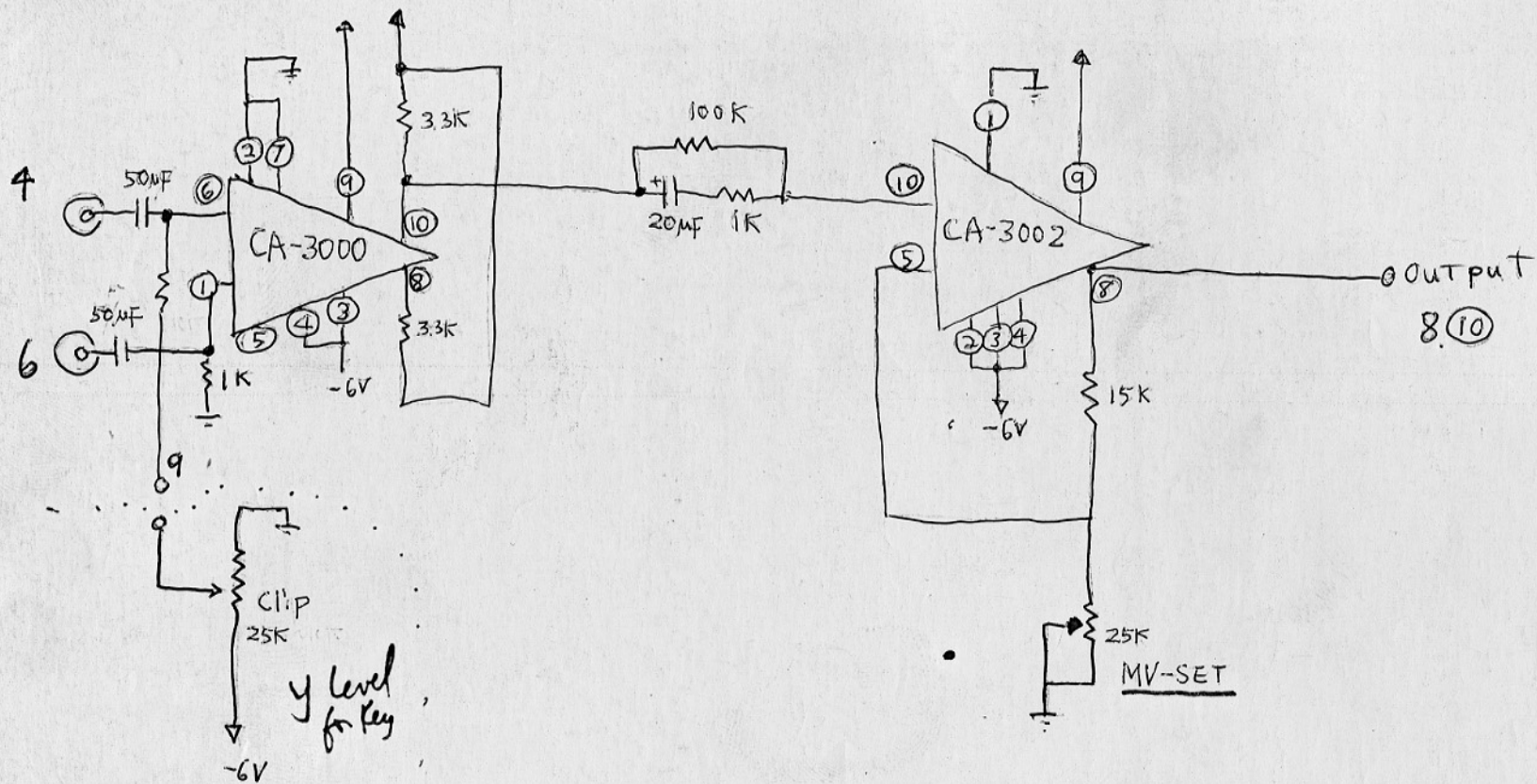
CA3046

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Keying

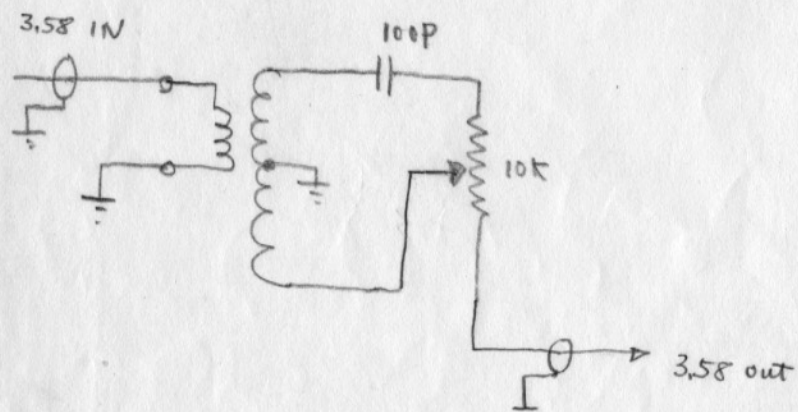
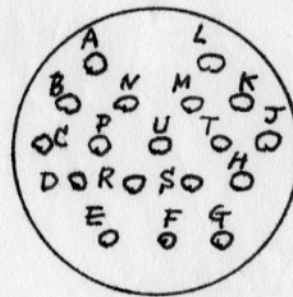




GATE Pulse Amp

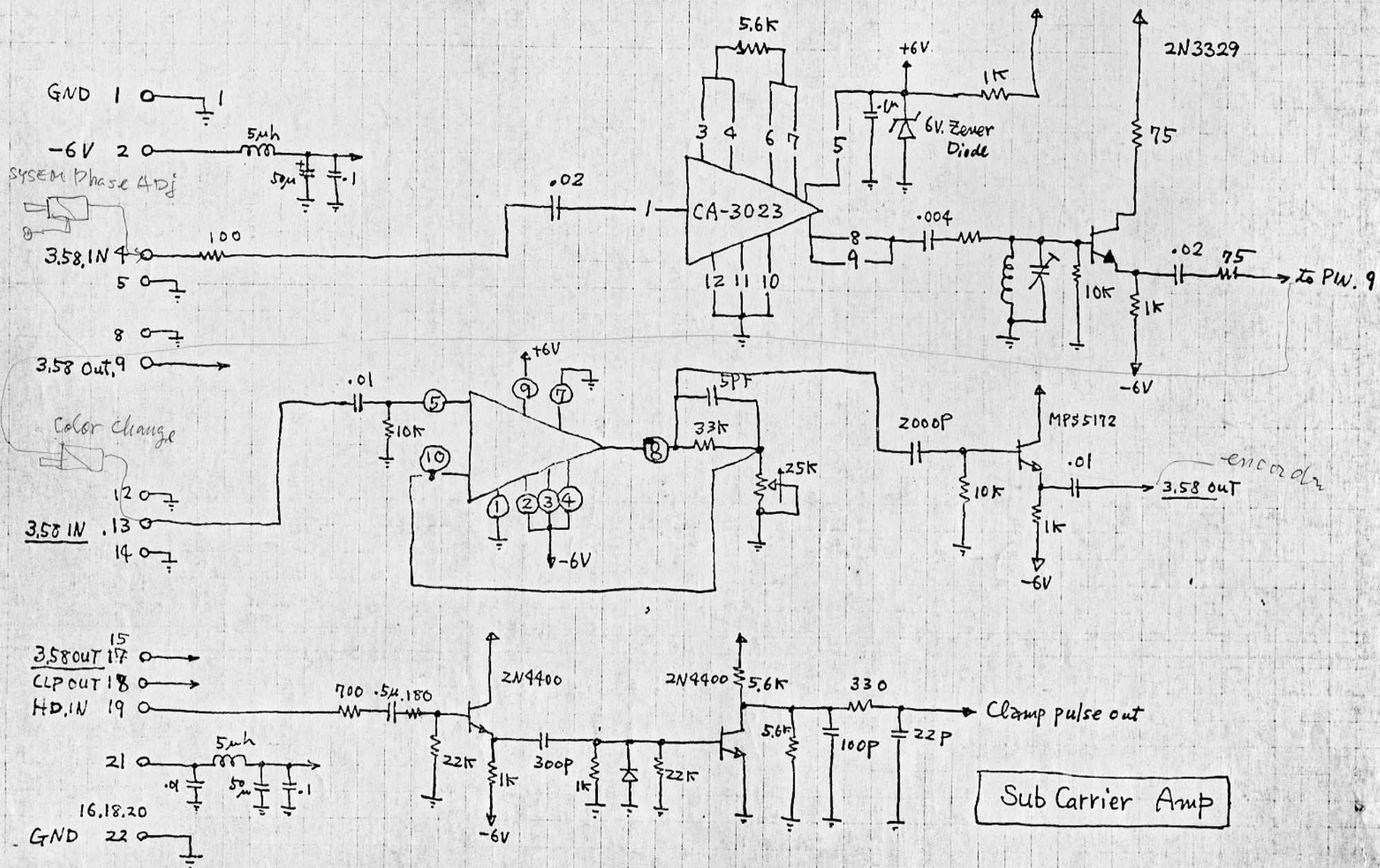
CTC PANEL

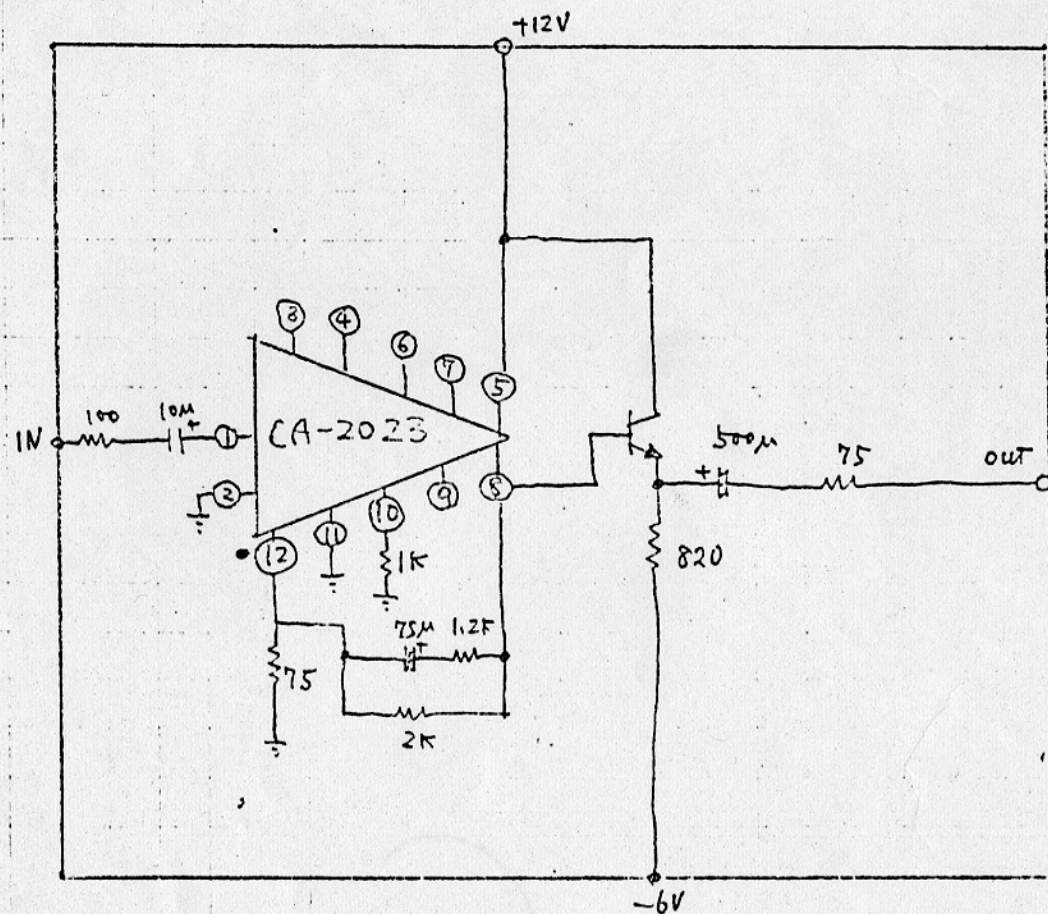
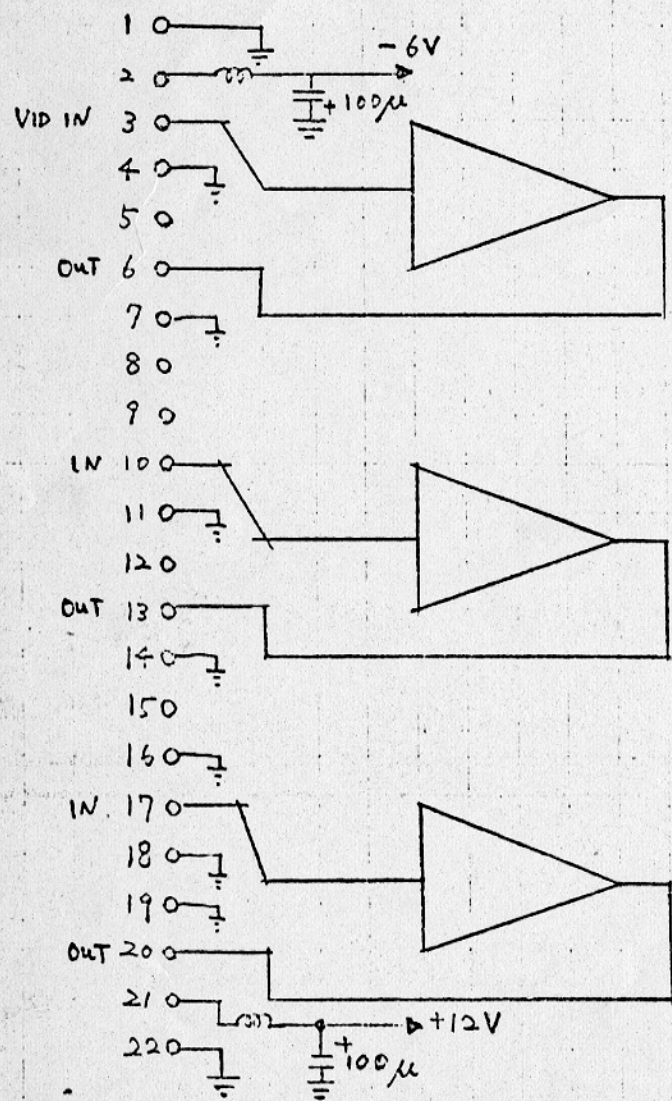
A + 12V
 B - 6V
 P GND
 C Rout
 E coax SEL vid
 H F out
 L T out
 F GND
 K "



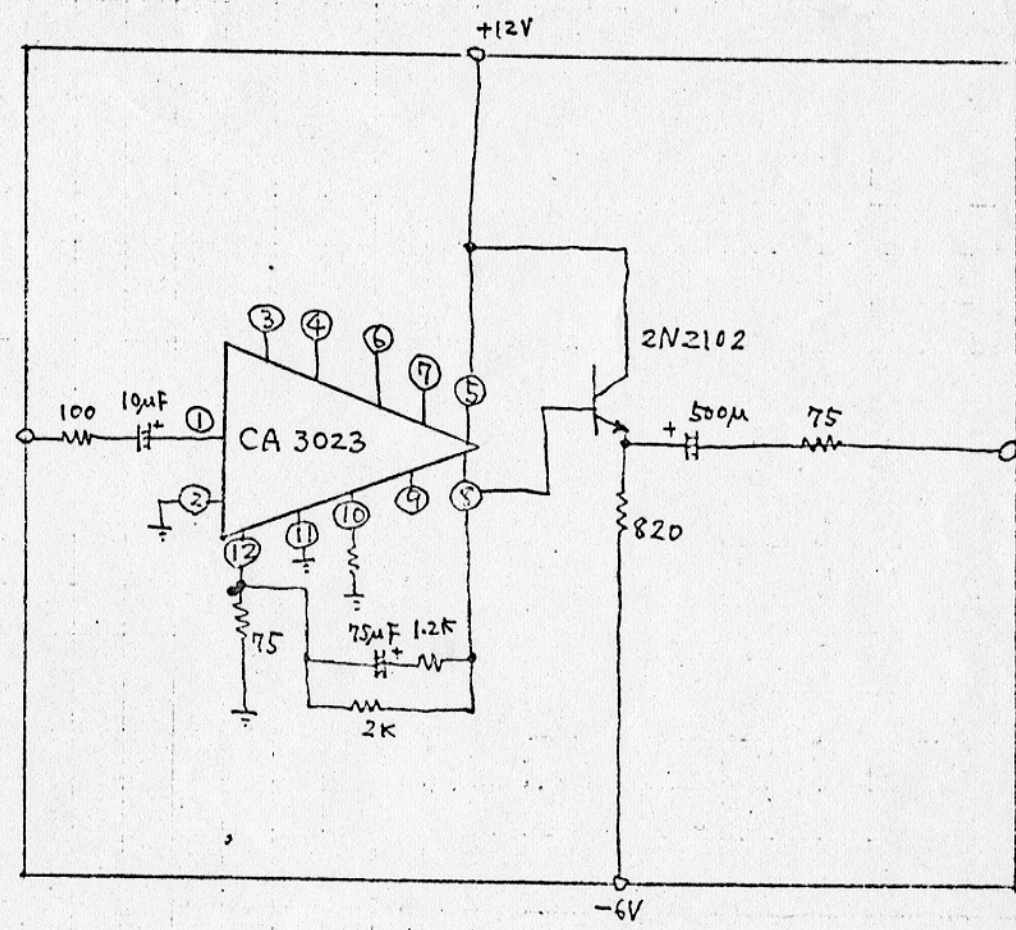
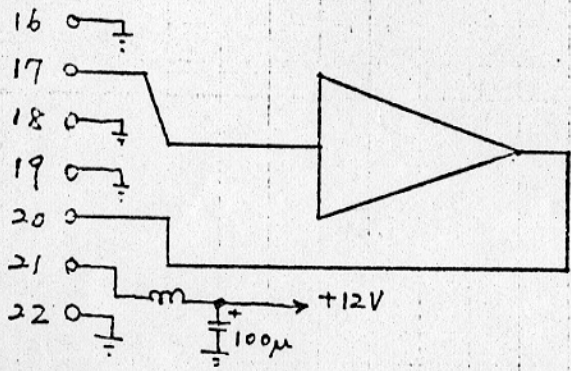
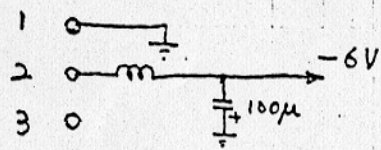
Phase CTL.

CONVERTOR Diagram

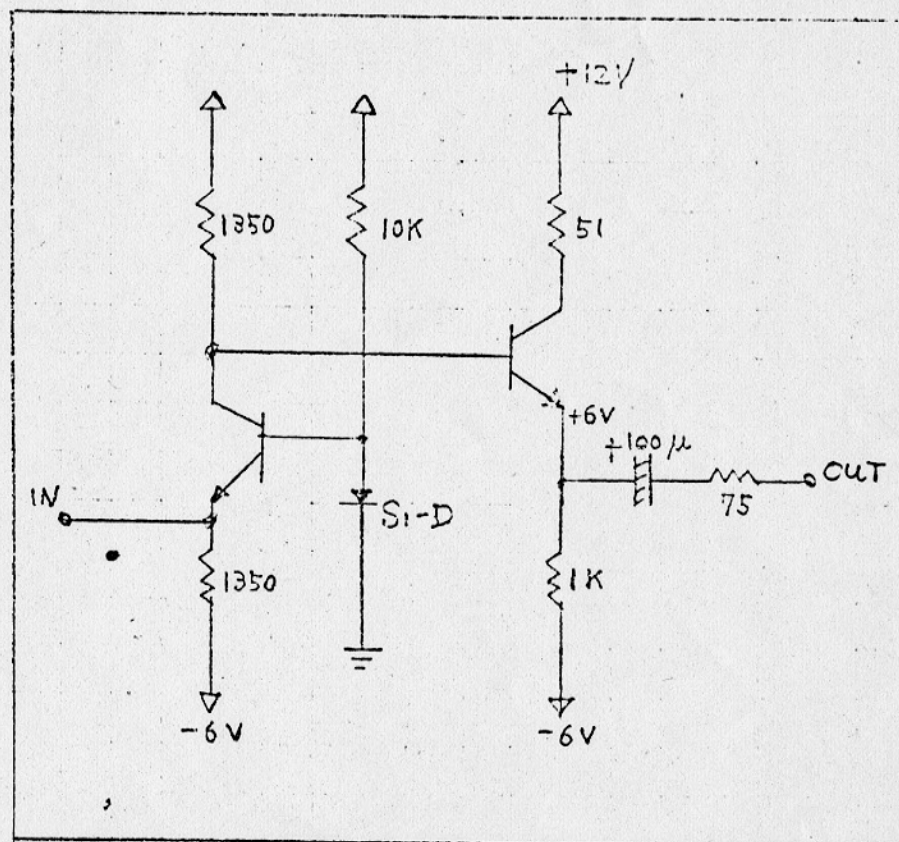
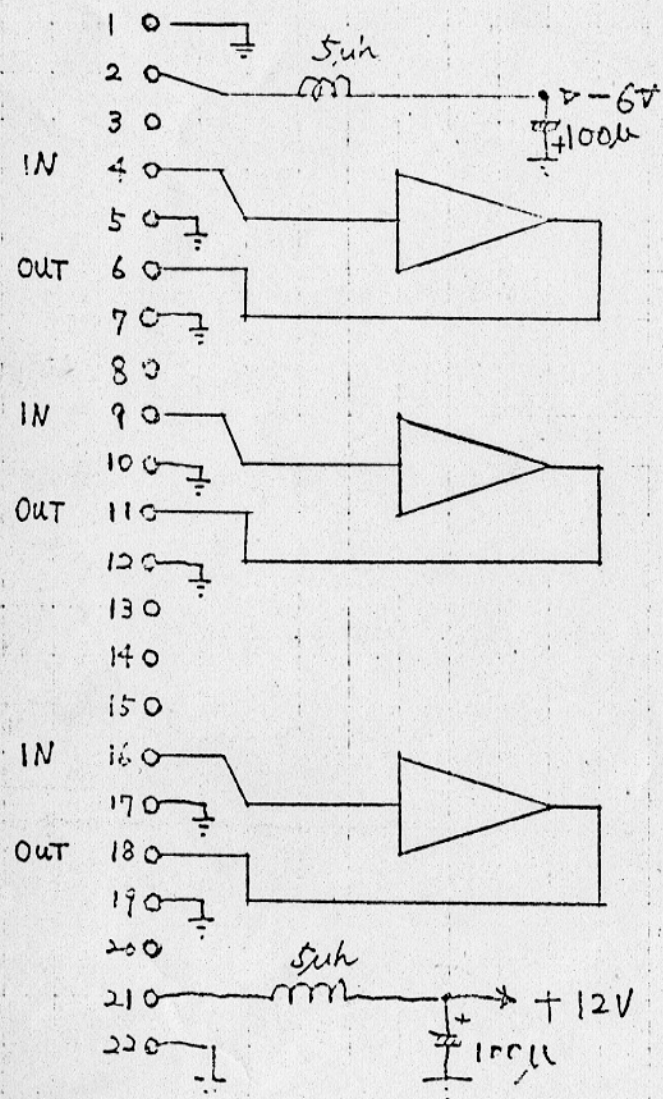




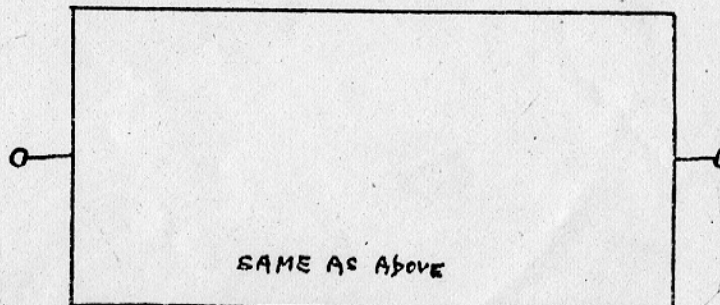
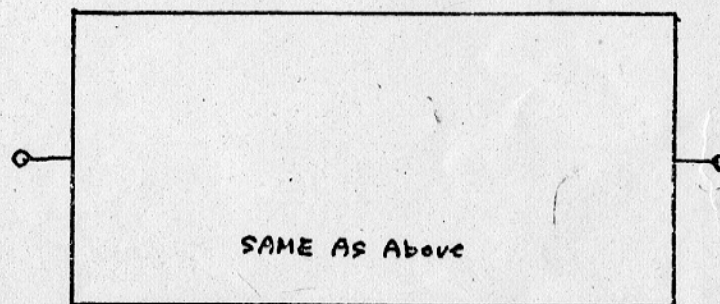
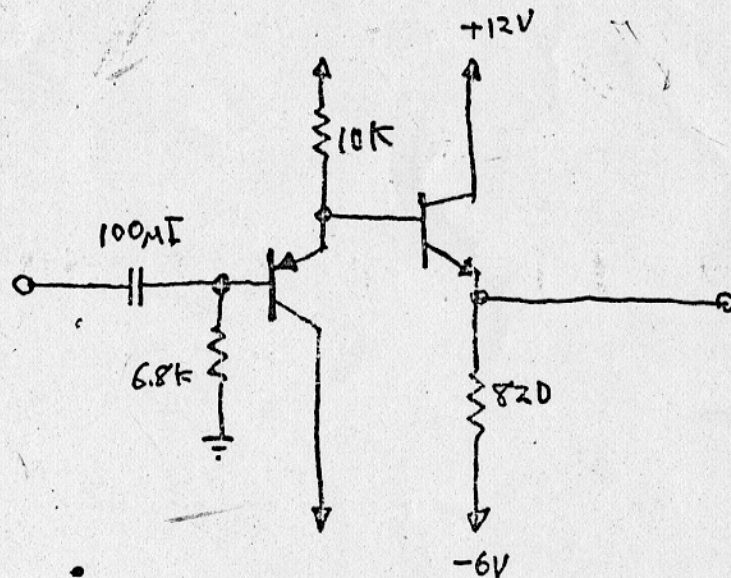
Amp.



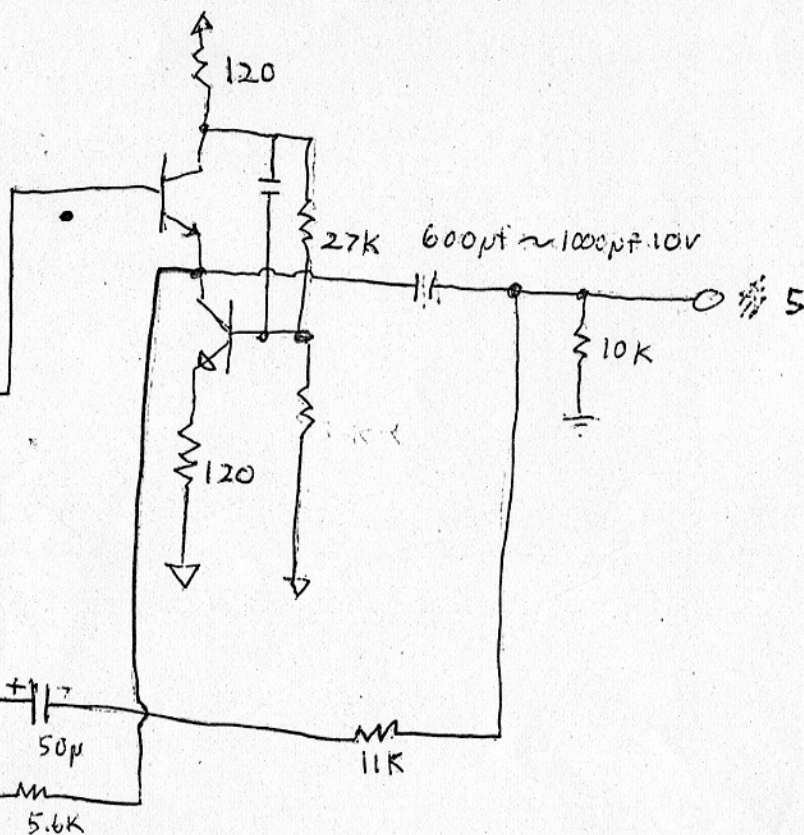
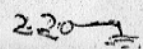
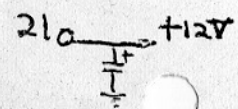
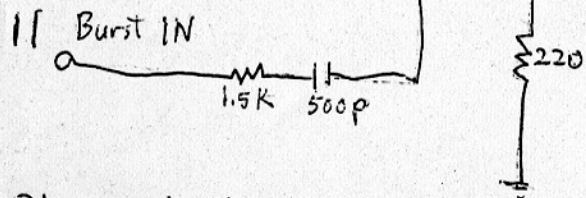
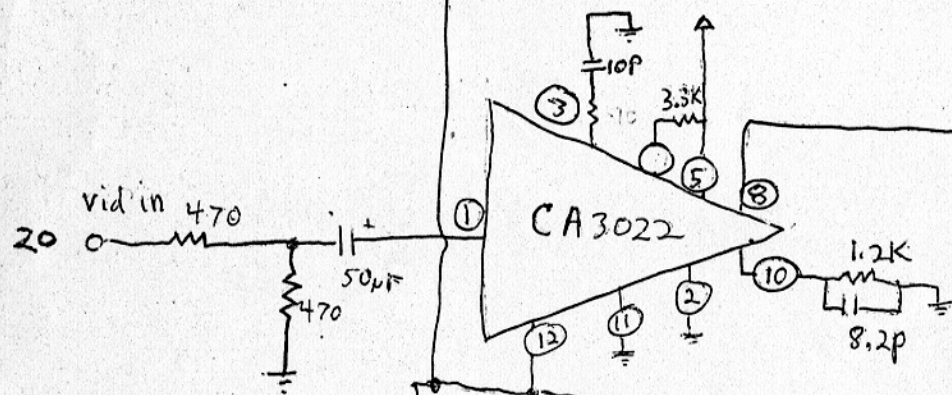
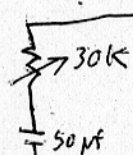
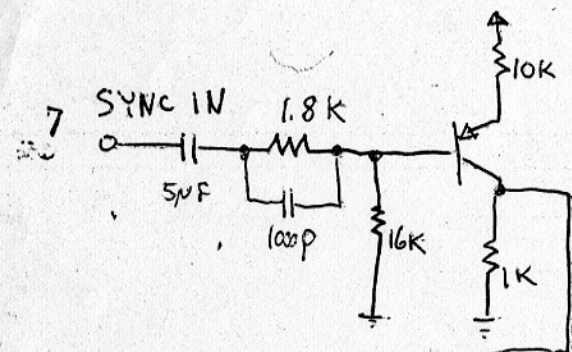
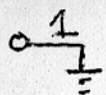
Amp.

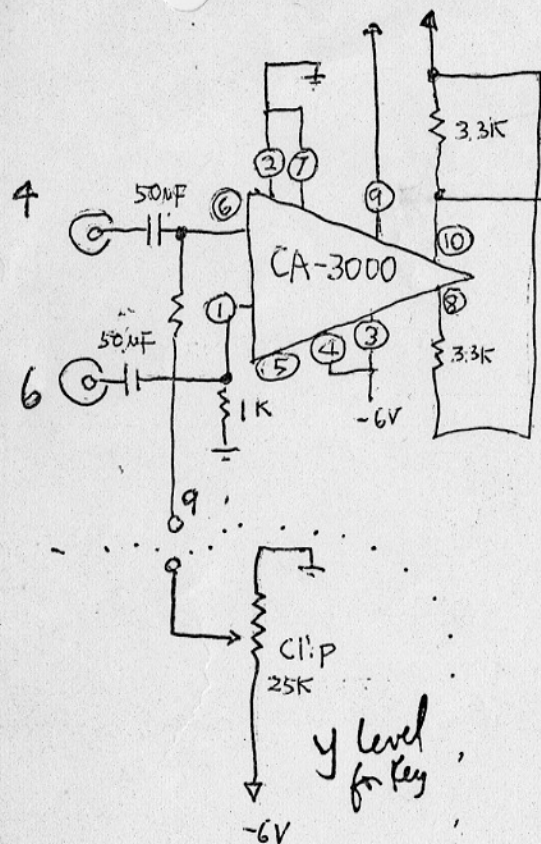


Mixing Amp

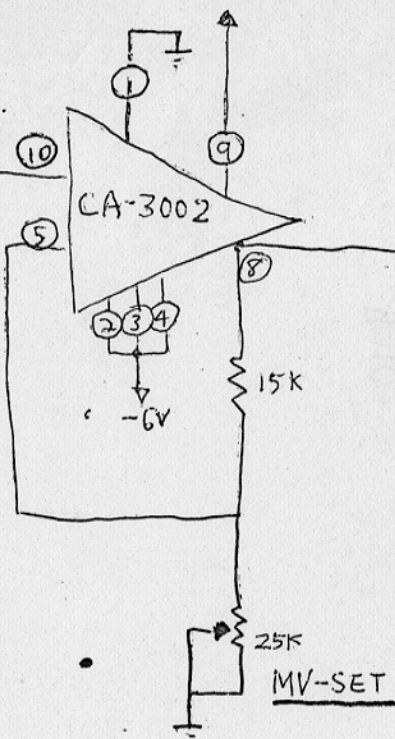
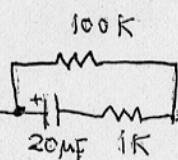


SWITCHER INPUT
& TITER
Follower



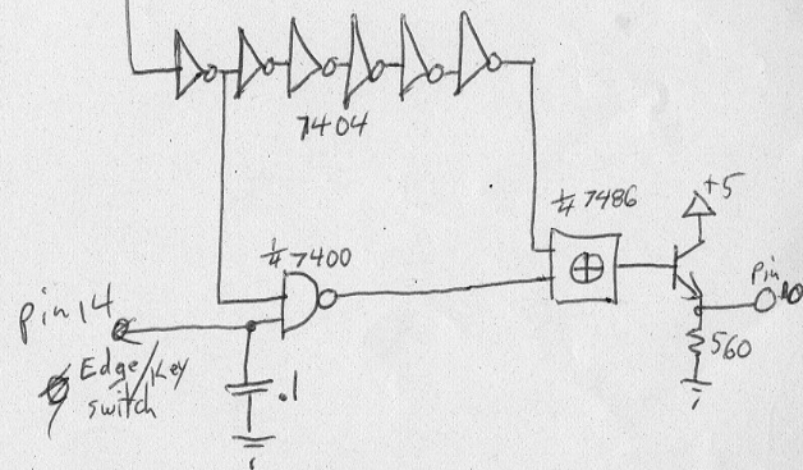


CTC PULSE



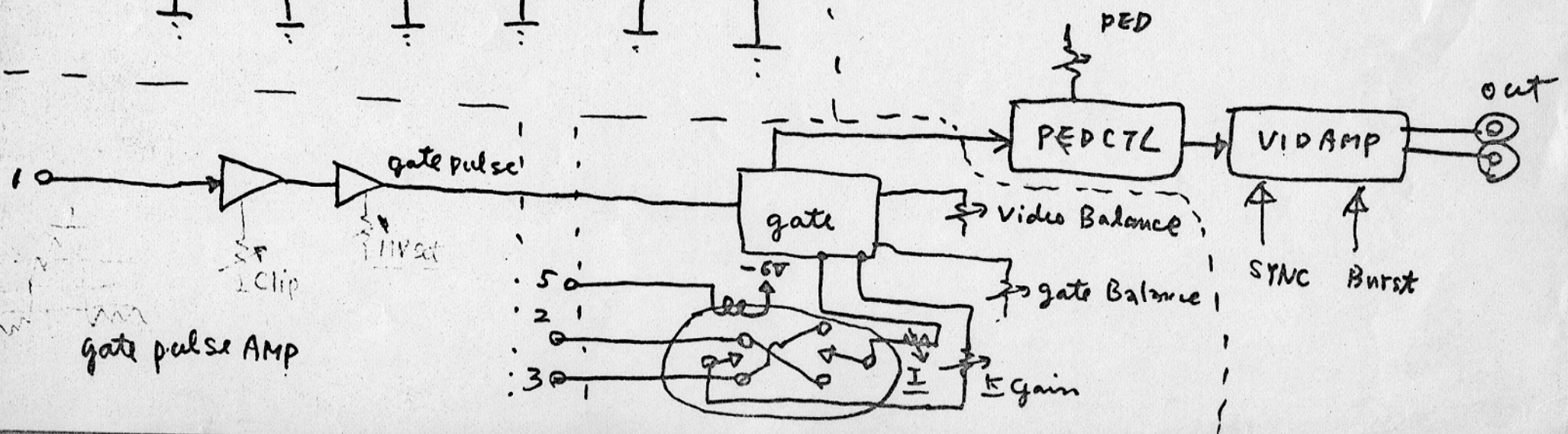
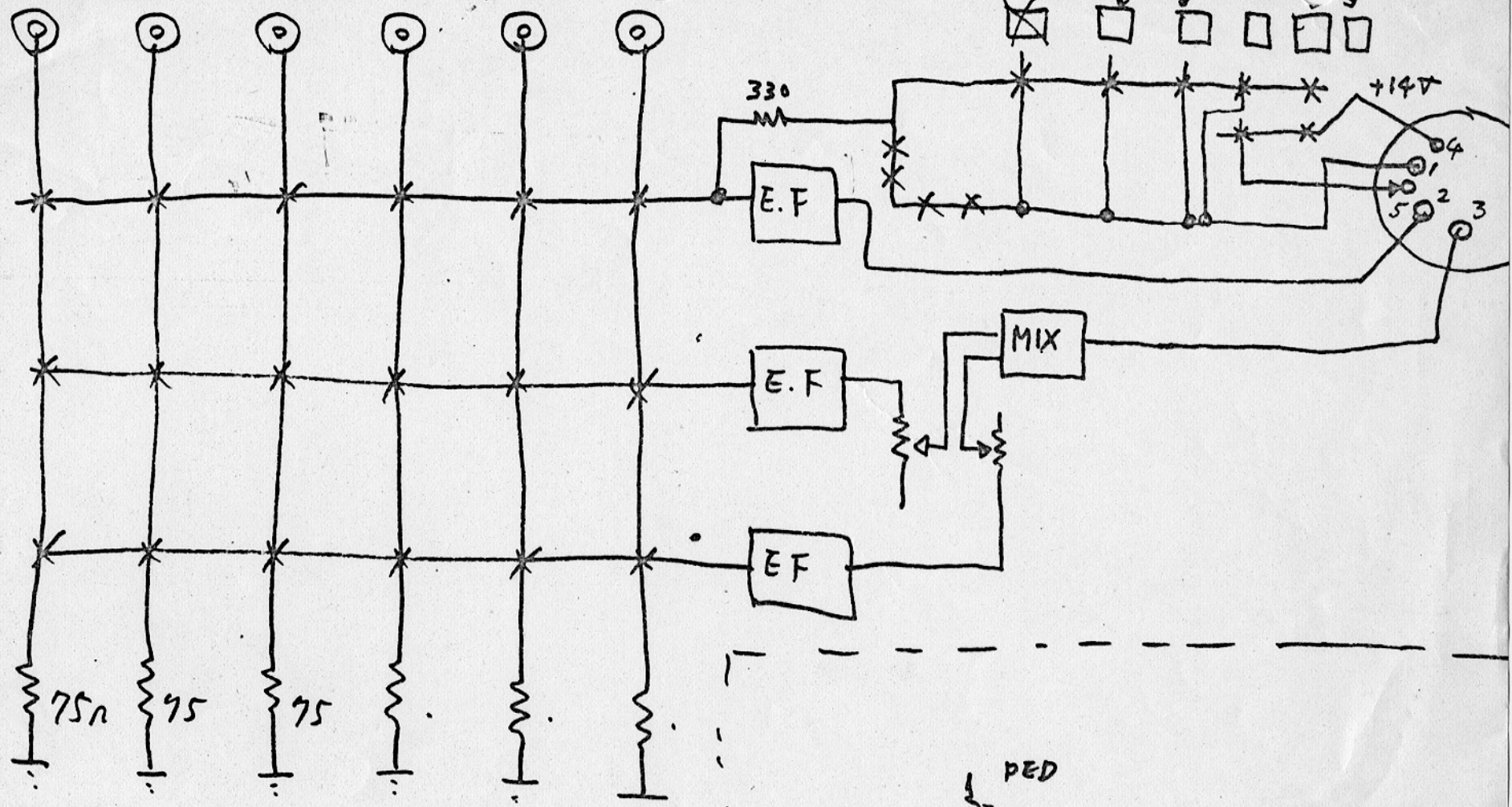
Output

GATE Pulse Amp



Switch board

in out



C43046

CA-3054

